SOUTHERN PACIFIC COMPANY

(PACIFIC SYSTEM.)

185

TIME TABLE

FOR THE

WESTERN DIVISION

To Take Effect Sunday, August 19, 1923, at 12:01 A. M.

PACIFIC STANDARD TIME (120th MERIDIAN)

For the government and information of employes only, and not intended for the use of the public.

J. H. DYER,
General Manager.

F. L. BURCKHALTER,
Assistant General Manager.

G. F. RICHARDSON,
Superintendent of Transportation.

R. L. RUBY,
Assistant Superintendent of Transportation.

EASTWARD

FIRST CLASS

Time Table No. 185

August 19, 1923

Capacity of sidings in car lengths	20	26	130	48	50	44	46	22	2	8	14	84	42	18	122	36	124	28	54	Distance from San Francisco.	STATIONS
	Pacific Limited	The Owl	San Francisco Martinez Passenger	El Dorado	The Tehachapi	San Francisco Napa Santa Rosa Bay Point Passenger	San Francisco Sacramento Passenger	St. Louis Express	San Francisco Overland Limited	San Francisco Los Angeles Passenger	San Francisco Portland Express	San Francisco Fresno Passenger	San Francisco Calistoga, San Ramon Passenger	Sacramento Special	San Francisco Port Costa Passenger	San Francisco Stockton Passenger	San Francisco Bay Point Passenger	San Francisco Sacramento Passenger	Oregonian		
	Leave Daily	Leave Daily	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily		
	6.00PM	6.00PM	5.20PM	5.00PM	4.00PM	3.40PM	2.40PM	1.00PM	11.00AM	10.40AM	10.20AM	8.40AM	8.00AM	7.40AM	6.40AM	6.00AM	6.00AM	6.00AM	12.20AM	0.0	SAN FRANCISCO 3.5
	6.18	6.18	5.38	5.18	4.18	3.58	2.58	1.18	11.18	10.58	10.38	8.58	8.18	7.58	6.58	6.18	6.18	6.18	12.38	3.5	OAKLAND PIER
BKWI P	6.32PM	6.27PM	5.45PM	5.25PM	4.27PM	4.05PM	3.05PM	1.30PM	11.30AM	11.07AM	10.45AM	9.05AM	8.27AM	8.05AM	7.05AM	6.30AM	6.27AM	6.25AM	12.48AM	3.5	TO-R OAKLAND PIER 1.4
Yard BKWFITY P																				4.9	TO-R WEST OAKLAND 0.6
P Interchange	s 6.40	s 6.33	s 5.54	s 5.32	s4.35	s 4.12	s 3.12	s 1.38	s11.38	s11.14	s10.52	s 9.12	s 8.35	s 8.12	s 7.11	s 6.38	s 6.33	s 6.30	s12.55	5.5	OAKLAND (16th Street) 1.1
P																				6.6	EMERYVILLE 0.4
IP																				7.0	SHELLMOUND 0.2
																				7.2	SEDAN 0.2
																				7.4	PARAFFIN 0.4
55 West P																				7.8	STOCK YARDS 0.4
																				8.2	LIVNY 1.0
P	s 6.48	s 6.41	s 6.02	s 5.39	s4.45	s 4.20	s 3.19	s 1.48	s11.46	s11.21	s11.00	s 9.19	s 8.43	s 8.19	s 7.19	s 6.48	s 6.41	6.38	s 1.04	9.2	BERKELEY (University Ave.) 1.0
																				10.2	CORBIN 0.5
			f				f									f				10.7	FLEMING 0.5
																				11.2	NOBEL 0.4
			f				f													11.6	VIGORIT 1.5
87 East P			f				f									f				13.1	STEGE 1.9
P	6.55	6.48	s 6.10	s 5.48	s4.55	s 4.30	s 3.30	1.58	11.55AM	s11.32	s11.10	s 9.27	s 8.51	s 8.27	s 7.28	s 7.00	s 6.52	s 6.47	1.14	15.0	RICHMOND 1.6
148 East W P Interchange			f 6.13				s 3.34			11.35			f 8.55			s 7.05	6.56	6.50		16.6	SAN PABLO 2.3
P			f				s								s	s				18.9	GIANT 0.9
48 East 52 West P			f													f				19.8	SOBRANTE 1.7
			f																	21.5	KRIEGER 1.5
74 West P	7.06	6.59	s 6.23	5.59	s5.05	s 4.43	s 3.46	2.11	12.07PM	11.44	11.22	9.38	f 9.06	8.38	7.43	s 7.18	s 7.06	7.00	1.25	23.0	PINOLE 0.8
45 East P							f								s	s				23.8	HERCULES 1.7
P			s 6.27				s 3.52								f	s	s			25.5	RODEO 0.9
69 East P			s			f	s								s	s				26.4	OLEUM 0.7
43 East			f			f									f	f				27.1	TORMEY 0.4
46 West P			s				s						s		s	s				27.5	SELBY 0.5
55 West P	7.16	7.08	s 6.33	6.08	5.17	s 4.58	s 4.04	s 2.22	12.17	s11.54AM	11.32	9.47	s 9.20	8.47	s 7.55	s 7.35	s 7.16	s 7.10	1.35	28.0	VALLEJO JCT. 1.0
210 West P			s 6.36		s	s 5.00	s			s			s 9.22		s 7.57	s 7.37	s 7.18			29.0	CROCKETT 1.1
62 West P			f										f			f	f			30.1	ECKLEY 1.0
Yard BKWFIT P	s 7.23PM	s 7.17PM	s6.43PM	s 6.15PM	s5.27PM	s 5.08PM	s 4.15PM	s 2.30PM	s12.25PM	s12.02PM	s11.40AM	s 9.55AM	s 9.27AM	s 8.55AM	s 8.05AM	s 7.50AM	s 7.30AM	s 7.25AM 7.40	s 1.45AM	31.1	TO-R PORT COSTA 1.3
	7.53PM			6.38PM			4.35PM	3.00PM	12.55PM		12.10PM			9.15AM				8.00AM	2.15AM	32.4	BENICIA
	Arrive Daily	Arrive Daily	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily		(27.6)
	(0.51)	(0.50)	(0.58)	(0.50)	(1.00)	(1.03)	(1.10)	(1.00)	(0.55)	(0.55)	(0.55)	(0.50)	(1.00)	(0.50)	(1.00)	(1.20)	(1.03)	(1.00)	(0.57)		........Time over District
	32.47	33.12	28.50	33.12	27.60	26.28	23.65	27.60	30.11	30.11	30.11	33.12	27.60	33.12	27.60	20.70	26.28	27.60	29.05		........Average speed per hour

Oakland Ferry

Block Signals

Double Track

Benicia Ferry

See pages 3, 4 and 5 for additional trains between Oakland Pier, West Oakland and Port Costa.
Track No. 1 between San Pablo and Shellmound Tower and Track No. 4 between Shellmound Tower and Richmond not protected by block signals.

ADDITIONAL FLAG STOPS TO RECEIVE PASSENGERS

Train	At	For Passengers Destined to or Beyond
2	Any Station	Cheyenne
20	Any Station	Ogden
22	Any Station	Ogden
22	Reduce speed at Richmond to dispatch mail.	

ADDITIONAL FLAG STOPS TO RECEIVE OR DISCHARGE PASSENGERS

Train	At	To	For Passengers To or From
36	Certain-teed Pro. Co.	Receive or Discharge	Any Station

ADDITIONAL REGULAR STOPS

Train	At	Frequency
28	Berkeley	Sunday only
42	Oleum	Sunday only

Time Table No. 185

August 19, 1923

WESTWARD

FIRST CLASS

STATIONS		Distance from Port Costa	5 Nevada Express	✓ 87 Oil Fields Passenger	13 San Francisco Express	19 Pacific Limited	✓ 123 Martinez San Francisco Passenger	✓ 25 The Owl	53 Oregonian	✓ 81 Bay Point, Napa, Santa Rosa, San Francisco Passenger	21 St. Louis Express
			Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily
SAN FRANCISCO 3.5	Oakland Ferry	31.1	7.50AM	8.10AM	8.10AM	8.30AM	8.30AM	8.50AM	9.10AM	10.10AM	10.30AM
OAKLAND PIER		27.6	7.32	7.52	7.52	8.12	8.12	8.32	8.52	9.52	10.12
TO-R OAKLAND PIER 1.4	Block Signals Double Track	27.6	s 7.20AM	s 7.40AM	s 7.45AM	s 8.00AM	s 8.07AM	s 8.23AM	s 8.40AM	s 9.45AM	s 10.00AM
TO-R WEST OAKLAND 0.6		26.2									
OAKLAND (16th Street) 1.1		25.6	s 7.10	s 7.25	s 7.35	s 7.51	s 8.00	s 8.13	s 8.30	s 9.36	s 9.50
EMERYVILLE 0.4		24.5									
SHELLMOUND 0.2		24.1									
SEDAN 0.2		23.9									
PARAFFIN 0.4		23.7									
STOCK YARDS 0.4		23.3									
LIVNY 1.0		22.9									
BERKELEY (University Ave.) 1.0		21.9	s 6.57	s 7.13	s 7.23	s 7.41	s 7.52	s 8.03	s 8.14	s 9.26	s 9.40
CORBIN 0.5		20.9									
FLEMING 0.5		20.4					f				
NOBEL 0.4		19.9									
VIGORIT 1.5		19.5									
STEGE 1.9		18.0					f				
RICHMOND 1.6		16.1	s 6.45	s 7.02	7.12	7.31	s 7.43	7.53	8.04	s 9.14	9.30
SAN PABLO 2.3		14.5	6.41	6.58	7.08	7.28	f 7.38	7.51	8.00	9.09	9.28
GIANT 0.9		12.2					s				
SOBRANTE 1.7		11.3									
KRIEGER 1.5		9.6									
PINOLE 0.8		8.1	6.31	6.48	6.58	7.18	s 7.28	7.41	7.50	s 9.00	9.18
HERCULES 1.7		7.3					f				
RODEO 0.9		5.6					s				
OLEUM 0.7		4.7					s			f	
TORMEY 0.4		4.0					f				
SELBY 0.5		3.6					s				
VALLEJO JCT. 1.0		3.1	6.20	6.37	6.48	7.08	s 7.15	7.31	7.40	s 8.49	9.08
CROCKETT 1.1		2.1		f			s			s 8.34	
ECKLEY 1.0		1.0					f				
TO-R PORT COSTA 1.3	Benicia Ferry	0.0	s 6.10AM	6.27AM	s 6.40AM	s 7.00AM	7.05AM	7.23AM	s 7.30AM	8.30AM	9.00AM
BENICIA		0.0	5.35AM		6.05AM	6.25AM			7.00AM		8.25AM
(27.6)			Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily
Time over District			(1.10)	(1.13)	(1.05)	(1.00)	(1.02)	(1.00)	(1.10)	(1.15)	(1.00)
Average speed per hour			23.65	22.68	25.47	27.60	26.70	27.60	23.65	22.08	27.60

STATIONS		Distance from Port Costa	11 The Shasta	47 El Dorado	45 Sacramento San Francisco Passenger	9 Fast Mail	127 Port Costa San Francisco Passenger	✓ 109 Sunset Express	1 San Francisco Overland Limited	29 Sacramento San Francisco Passenger	15 California Express	✓ 43 Calistoga San Francisco Passenger	17 Sacramento Special
			Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily
SAN FRANCISCO 3.5	Oakland Ferry	31.1	11.30AM	11.30AM	11.50AM	12.30PM	12.30PM	2.10PM	2.30PM	3.50PM	5.50PM	6.10PM	6.30PM
OAKLAND PIER		27.6	11.12	11.12	11.32	12.12	12.12	1.52	2.12	3.32	5.32	5.52	6.12
TO-R OAKLAND PIER 1.4	Block Signals Double Track	27.6	s 10.57AM	s 11.03AM	s 11.20AM	s 12.02PM	s 12.07PM	s 1.40PM	s 1.55PM	s 3.20PM	s 5.20PM	s 5.40PM	s 6.05PM
TO-R WEST OAKLAND 0.6		26.2											
OAKLAND (16th Street) 1.1		25.6	s 10.46	s 10.52	s 11.10	s 11.52AM	s 11.59AM	s 1.30	s 1.46	s 3.10	s 5.10	s 5.28	s 5.55
EMERYVILLE 0.4		24.5											
SHELLMOUND 0.2		24.1											
SEDAN 0.2		23.9											
PARAFFIN 0.4		23.7											
STOCK YARDS 0.4		23.3											
LIVNY 1.0		22.9											
BERKELEY (University Ave.) 1.0		21.9	s 10.36	s 10.42	s 10.58	s 11.30	s 11.50	s 1.14	s 1.31	s 3.01	s 4.58	s 5.18	s 5.45
CORBIN 0.5		20.9											
FLEMING 0.5		20.4					f						
NOBEL 0.4		19.9											
VIGORIT 1.5		19.5			f		f						
STEGE 1.9		18.0			f		f						
RICHMOND 1.6		16.1	10.26	10.32	s 10.48	11.20	s 11.39	s 1.04	1.18	s 2.51	4.45	s 5.08	s 5.35
SAN PABLO 2.3		14.5	10.23	10.29	f 10.43		f 11.35	1.00	1.15	2.48	4.42	s 5.05	5.33
GIANT 0.9		12.2			s		f					s	
SOBRANTE 1.7		11.3			f		f						
KRIEGER 1.5		9.6			f		f						
PINOLE 0.8		8.1	10.13	10.19	s 10.31	11.09	s 11.25	12.50	1.04	s 2.38	4.33	s 4.55	5.24
HERCULES 1.7		7.3					f					f	
RODEO 0.9		5.6			s		s					s	
OLEUM 0.7		4.7			f		s					s	
TORMEY 0.4		4.0					f					s	
SELBY 0.5		3.6			s		s					s	
VALLEJO JCT. 1.0		3.1	10.05	10.09	s 10.17	11.01	s 11.12	s 12.40	12.52	s 2.28	4.23	s 4 45	5.16
CROCKETT 1.1		2.1			s 10.11		s 11.09	s 12.34		s 2.24		s 4.29	s 5.12
ECKLEY 1.0		1.0					f					f	
TO-R PORT COSTA 1.3	Benicia Ferry	0.0	s 9.57AM	s 10.02AM	s 10.07AM	10.55AM	11.05AM	12.30PM	s 12.42PM	s 2.20PM	s 4.15PM	4.25PM	s 5.08PM
BENICIA		0.0	9.35AM	9.42AM	9.35AM	10.30AM			12.10PM	2.00PM	3.45PM		4.45PM
(27.6)			Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily
Time over District			(1.00)	(1.01)	(1.13)	(1.07)	(1.02)	(1.10)	(1.13)	(1.00)	(1.05)	(1.15)	(0.57)
Average speed per hour			27.60	27.14	22.68	24.71	26.70	23.65	22.68	27.60	25.47	22.08	29.05

See pages 2, 4 and 5 for additional trains between Oakland Pier, West Oakland and Port Costa.

Track No. 1 between San Pablo and Shellmound tower and track No. 4 between Shellmound tower and Richmond not protected by block signals.

ADDITIONAL FLAG STOPS TO DISCHARGE PASSENGERS

Train	At	For Passengers From or Beyond	Train	At	For Passengers From or Beyond
1	Any Station	Cheyenne	25	Richmond	Los Angeles
5	Any Station	Sparks	47	Any Station	Davis
13	Any Station	Gerber	81	Any Station	Martinez or Vallejo
13	Vallejo Junction	Roseville	109	Any Station	Tracy
15	Any Station	Portland			
19	Any Station	Sparks			
21	Any Station	Sparks			

ADDITIONAL FLAG STOPS TO RECEIVE OR DISCHARGE PASSENGERS

Train	At	For Passengers to or from
123	Certain-teed Pro. Co.	Any Station
127	Certain-teed Pro. Co.	Any Station
123	Potter	Any Station
127	Potter	Any Station

ADDITIONAL REGULAR STOPS

Train	At	Frequency
29	Oleum	Saturday Only
29	Giant	Saturday only

No. 9 will stop at Richmond to discharge U. S. Mail when connection is not made with No. 109.

EASTWARD

Time Table No. 185

August 19, 1923

Capacity of sidings in car lengths		THIRD CLASS			FIRST CLASS						Distance from San Francisco	STATIONS		
		222	288	302	86	10	16	132	12	6				
		Sacramento, Ogden and Portland Fast Freight	Fresno Freight	Port Costa Local Freight	Oil Fields Passenger	Atlantic Express	Oregon Express	San Francisco Martinez Passenger	The Shasta	Nevada Express				
		Leave Daily	Leave Daily	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily	Leave Daily	Leave SUNDAY ONLY	Leave Daily	Leave Daily				
					11.00PM	9.00PM	8.20PM	7.40PM	7.40PM	6.20PM	0.0	SAN FRANCISCO	3.5	Oakland Ferry
					11.18	9.18	8.38	7.58	7.58	6.38	3.5	OAKLAND PIER		
BKWI	P				11.30PM	9.45PM	8.55PM	8.08PM	8.05PM	6.50PM	3.5	TO-R OAKLAND PIER	1.4	Block Signals Double Track
Term Yard BKWFITY	P	10.15PM	6.55PM	7.10AM							4.9	TO-R WEST OAKLAND	0.6	
Interchange	I P				s 11.38	s 9.52	s 9.02	s 8.15	s 8.12	s 6.58	5.5	OAKLAND (16th Street)	1.1	
	P										6.6	EMERYVILLE	0.4	
	IP										7.0	SHELLMOUND	0.2	
											7.2	SEDAN	0.2	
											7.4	PARAFFIN	0.4	
55 West	P										7.8	STOCK YARDS	0.4	
											8.2	LIVNY	1.0	
	P				s 11.48	s 10.02	s 9.10	s 8.23	s 8.19	s 7.06	9.2	BERKELEY (University Ave.)	1.0	
											10.2	CORBIN	0.5	
								f			10.7	FLEMING	0.5	
											11.2	NOBEL	0.4	
								f			11.6	VIGORIT	1.5	
87 East	P							f			13.1	STEGE	1.9	
	P				s 11.58PM	s 10.12	s 9.20	s 8.33	8.27	s 7.16	15.0	RICHMOND	1.6	
148 East Interchange	W P							f 8.36			16.6	SAN PABLO	2.3	
	P							f			18.9	GIANT	0.9	
48 East 52 West	P							f			19.8	SOBRANTE	1.7	
											21.5	KRIEGER	1.5	
74 West	P				12.12AM	10.26	9.32	s 8.45	8.38	7.27	23.0	PINOLE	0.8	
45 East	P										23.8	HERCULES	1.7	
	P							s 8.49			25.5	RODEO	0.9	
69 East	P							s			26.4	OLEUM	0.7	
43 East								f			27.1	TORMEY	0.4	
46 West	P							s			27.5	SELBY	0.5	
55 West	P				12.23	10.36	9.42	s 8.59	8.47	7.37	28.0	VALLEJO JCT.	1.0	
210 West	P				s 12.28		s	s 9.02			29.0	CROCKETT	1.1	
62 West	P							f			30.1	ECKLEY	1.0	
Yard BKWFIT	P	11.20PM	8.00PM	4.00PM	s 12.38AM	s 10.45PM	s 9.50PM	s 9.10PM	8.55PM	s 7.45PM	31.1	TO-R PORT COSTA	1.3	Benicia Ferry
		12.05AM				11.17PM	10.20PM		9.25PM	8.15PM	32.4	BENICIA		
		Arrive Daily	Arrive Daily	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily	Arrive Daily	Arrive SUNDAY ONLY	Arrive Daily	Arrive Daily		(27.6)		
		(1.05)	(1.05)	(8.50)	(1.08)	(1.00)	(0.55)	(1.02)	(0.50)	(0.55)		……………Time over District		
		24.18	24.18	2.99	24.35	27.60	30.11	26.70	33.12	30.11		……………Average speed per hour		

See pages 2, 3 and 5 for additional trains between Oakland Pier, West Oakland and Port Costa.

Track No. 1 between San Pablo and Shellmound tower and Track No. 4 between Shellmound tower and Richmond not protected by block signals.

ADDITIONAL FLAG STOPS TO DISCHARGE PASSENGERS

Train	At	For Passengers From or Beyond
86	Pinole	Richmond
86	Oleum	Richmond

ADDITIONAL FLAG STOPS TO RECEIVE PASSENGERS

Train	At	For Passengers To or Beyond
10	Any Station	Ogden
16	Any Station	Portland

WESTWARD

Time Table No. 185

August 19, 1923

		FIRST CLASS					THIRD CLASS		
	Distance from Port Costa	✓ 125	✓ 49	23	209	✓ 35	219	301	
		Avon San Francisco Passenger	The Tehachapi	Sacramento San Francisco Passenger	Sacramento San Francisco Passenger	Tracy San Francisco Passenger	Freight	Port Costa Local Freight	
STATIONS		Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily EX. SUNDAY	
SAN FRANCISCO	31.1	6.50PM	7.10PM	7.30PM	10.05PM	11.25PM			Oakland Ferry
3.5									
OAKLAND PIER	27.6	6.32	6.52	7.12	9.47	11.07			
TO-R OAKLAND PIER	27.6	s 6.25PM	s 6.40PM	s 7.00PM	s 9.40PM	s 10.50PM			Block Signals Double Track
1.4									
TO-R WEST OAKLAND	26.2						5.00AM	3.00PM	
0.6									
OAKLAND (16th Street)	25.6	s 6.15	s 6.30	s 6.50	s 9.31	s 10.38			
1.1									
EMERYVILLE	24.5								
0.4									
SHELLMOUND	24.1								
0.2									
SEDAN	23.9								
0.2									
PARAFFIN	23.7								
0.4									
STOCK YARDS	23.3								
0.4									
LIVNY	22.9								
1.0									
BERKELEY (University Ave.)	21.9	s 6.05	s 6.19	s 6.41	s 9.21	s 10.30			
1.0									
CORBIN	20.9								
0.5									
FLEMING	20.4								
0.5									
NOBEL	19.9								
0.4									
VIGORIT	19.5			f					
1.5									
STEGE	18.0					f			
1.9									
RICHMOND	16.1	s 5.55	s 6.08	s 6.31	s 9.11	s 10.19			
1.6									
SAN PABLO	14.5	5.51		f 6.26	9.08	f 10.14			
2.3									
GIANT	12.2			f		f			
0.9									
SOBRANTE	11.3			f		f			
1.7									
KRIEGER	9.6								
1.5									
PINOLE	8.1	s 5.41	5.53	s 6.16	8.58	s 10.02			
0.8									
HERCULES	7.3			f		f			
1.7									
RODEO	5.6	s		s		s			
0.9									
OLEUM	4.7			s		f			
0.7									
TORMEY	4.0			f		f			
0.4									
SELBY	3.6			f		s			
0.5									
VALLEJO JCT.	3.1	s 5.31	5.43	s 6.05	8.50	f 9.52			
1.0									
CROCKETT	2.1	s 5.28		s 6.00		s 9.49			
1.1									
ECKLEY	1.0			f					
1.0									
TO-R PORT COSTA	0.0	5.23PM	5.35PM	s 5.55PM	s 8.40PM	9.43PM	2.00AM	7.00AM	Benicia Ferry
1.3									
BENICIA	0.0			5.30PM	8.12PM		1.00AM		
(27.6)		Leave Daily EX. SUNDAY	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily EX. SUNDAY	
Time over District		(1.02)	(1.05)	(1.05)	(1.00)	(1.07)	(3.00)	(8.00)	
Average speed per hour		26.70	25.47	25.47	27.60	24.71	8.73	3.27	

See pages 2, 3 and 4 for additional trains between Oakland Pier, West Oakland and Port Costa.
Track No. 1 between San Pablo and Shellmound tower and Track No. 4 between Shellmound tower and Richmond not protected by block signals.

ADDITIONAL FLAG STOPS TO DISCHARGE PASSENGERS		
Train	At	For Passengers From or Beyond
49	Any Station	Tracy
49	Vallejo Junction	Martinez

ADDITIONAL FLAG STOPS TO RECEIVE PASSENGERS		
Train	At	Frequency
209	Vallejo Junction	Sunday

EASTWARD

Time Table No. 185.

August 19, 1923

Capacity of sidings in car lengths	THIRD CLASS			FIRST CLASS																Distance from San Francisco	STATIONS	
	304	272	222	10	16	12	6	20	48	78	46	22	2	14	76	18	28	72	54			
	Sacramento Local Freight	Gerber Freight	Sacramento Ogden & Portland Fast Frt.	Atlantic Express	Oregon Express	The Shasta	Nevada Express	Pacific Limited	El Dorado	Dunsmuir Sacramento Passenger	San Francisco Sacramento Passenger	St. Louis Express	San Francisco Overland Limited	San Francisco Portland Express	Gerber Sacramento Passenger	Sacramento Special	San Francisco Sacramento Passenger	Oroville Sacramento Motor	Oregonian			
	Leave Daily EX. SUNDAY	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily			
Yard WY P	9.15AM		1.00AM	s 11.17PM	s 10.20PM	9.25PM	s 8.15PM	s 7.53PM	s 6.38PM		s 4.35PM	s 3.00PM	12.55PM	s 12.10PM		s 9.15AM	s 8.00AM		2.15AM	32.4	TO-R BENICIA	0.8
P																				33.2	MAIL DOCK	0.6
P											f						f			33.8	ARMY POINT	4.2
103 East P				11.27	10.29	9.35	8.24	8.03	6.48		f 4.45	3.09	1.04	12.19		9.23	f 8.10		2.25	38.0	GOODYEAR	1.0
103 West											f						f			39.0	HOYT	1.1
											f						f			40.1	PIERCE	2.1
P											f						f			42.2	CYGNUS	1.0
											f						f			43.2	TEAL	1.9
											f						f			45.1	JACKSNIPE	3.8
Yard BKWFY P Interchange				s 11.47PM	s 10.48	9.54	s 8.44	8.23	s 7.08		s 5.15	s 3.28	1.23	s 12.38		s 9.43	s 8.40		2.43	48.9	TO SUISUN-FAIRFIELD Sacramento Northern Ry. Crossing	3.0
48 East 82 West P Interchange											s 5.21						s 8.45			51.9	TOLENAS	1.9
											f						f			53.8	VANDEN	1.6
											f						f			55.4	CANNON	4.0
101 East 101 West BKWFY P				12.05AM	11.03	10.09	9.00	8.39	7.23		s 5.37	3.43	1.38	12.53		10.02	s 9.05		2.59	59.4	ELMIRA	4.8
											f						f			64.2	BATAVIA	3.3
86 East P 86 West W				12.17	11.15	10.21	f 9.14	8.50	s 7.35		s 5.57	s 3.55	1.50	s 1.05		s 10.13	s 9.20		3.12	67.5	DIXON	4.3
83 East											f						f			71.8	TREMONT	2.0
																				73.8	BRIGGSTON	1.8
88 East 121 West WIY P	3.45PM	2.10PM	7.00	s 12.35	11.27	s 10.33PM	f 9.30	9.01	s 7.51	6.45PM	s 6.15	4.07	2.02	s 1.17	12.40PM	s 10.30	s 9.50	8.15AM	s 3.28AM	75.6	TO-R DAVIS	1.5
																				77.1	CHILES	2.0
											f				f			f		79.1	SWINGLE	1.3
114 East 114 West				12.45	11.36		9.38	9.10	8.00	6.52	f 6.25	4.16	2.11	1.25	f 12.50	10.40	10.00	f 8.25		80.4	WEBSTER	5.9
I P																		f		86.3	MIKON	0.6
																				86.9	Sacramento Northern Ry. Crossing	1.4
											f							f		88.3	WASHINGTON	0.5
Term Yard BKWFTY P	4.30PM	2.40PM	7.30AM	s 1.00AM	s 11.50PM		s 9.55PM	s 9.25PM	s 8.15PM	s 7.05PM	s 6.45PM	s 4.30PM	s 2.25PM	s 1.40PM	s 1.10PM	s 10.55AM	s 10.15AM	s 8.40AM		88.8	TO-R SACRAMENTO	
	Arrive Daily EX. SUNDAY	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily		(56.4)	
	(7.15)	(0.30)	(6.30)	(1.43)	(1.30)	(1.08)	(1.40)	(1.32)	(1.37)	(0.20)	(2.10)	(1.30)	(1.30)	(1.30)	(0.30)	(1.40)	(2.15)	(0.25)	(1.13)		....................Time over District	
	7.77	26.40	8.68	32.85	37.60	38.35	33.84	36.78	34.88	39.60	26.03	37.60	37.60	37.60	26.40	33.84	25.06	31.68	35.50		....................Average speed per hour	

Block Signals

Double Track

ADDITIONAL FLAG STOPS TO RECEIVE PASSENGERS

Train	At	For Passengers Destined to or beyond
2	Any Station	Cheyenne
10	Any Station	Ogden
14	Any Station	Roseville
16	Any Station	Portland
20	Any Station	Ogden
22	Any Station	Ogden

ADDITIONAL FLAG STOPS TO RECEIVE OR DISCHARGE PASSENGERS

Train	At	Frequency
6	Goodyear, Pierce, Cygnus, Teal, Jacksnipe	Tuesday and Saturday during hunting season
14	Goodyear	Wednesday and Saturday during hunting season
14	Pierce, Cygnus, Teal, Jacksnipe	Tuesday and Saturday during hunting season
16	Davis	Sundays and Holidays

No. 46 Stops at Broderick to exchange U. S. Mail.

ADDITIONAL REGULAR STOPS

Train	At	Frequency
6	Dixon	Sunday Only

Time Table No. 185

August 19, 1923

WESTWARD

Block Signals

Double Track

		FIRST CLASS																		THIRD CLASS		
	Distance from Sacramento	5	13	19	53	21	45	11	47	9	71	1	29	15	17	23	209	75	77	271	303	219
		Nevada Express	San Francisco Express	Pacific Limited	Oregonian	St. Louis Express	Sacramento San Francisco Passenger	The Shasta	El Dorado	Fast Mail	Dunsmuir Passenger	San Francisco Overland Limited	Sacramento San Francisco Passenger	California Express	Sacramento Special	Sacramento San Francisco Passenger	Sacramento San Francisco Passenger	Sacramento Gerber Passenger	Sacramento Oroville Motor	Gerber Freight	Sacramento Local Freight	Freight
STATIONS		Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily Ex. SUNDAY	Arrive Daily EX. SUNDAY	Arrive Daily
TO-R BENICIA	56.4	s 5.35AM	s 6.05AM	6.25AM	s 7.00AM	s 8.25AM	s 9.22AM	s 9.35AM	s 9.42AM	10.30AM		12.10PM	s 2.00PM	s 3.45PM	s 4.45PM	s 5.30PM	s 8.12PM				2.00PM	11.30PM
0.8																						
MAIL DOCK	55.6																					
0.6																						
ARMY POINT	55.0						f						f			f						
4.2																						
GOODYEAR	50.8	5.25	5.55	6.15	6.50	8.15	f 9.10	9.25	9.33	10.21		11.59AM	1.50	3.34	4.35	f 5.20	8.02					
1.0																						
HOYT	49.8						f									f						
1.1																						
PIERCE	48.7						f									f						
2.1																						
CYGNUS	46.6						f									f						
1.0																						
TEAL	45.6						f									f						
1.9																						
JACKSNIPE	43.7						f									f						
3.8																						
T) SUISUN-FAIRFIELD Sacramento Northern Ry. Crossing	39.9	5.05	s 5.35	5.57	6.30	7.57	s 8.45	9.08	s 9.18	10.06		11.42	s 1.32	3.17	s 4.15	s 4.55	s 7.45					
3.0																						
TOLENAS	36.9						s 8.34									s						
1.9																						
VANDEN	35.0						f									f						
1.6																						
CANNON	33.4						f									f						
4.0																						
ELMIRA	29.4	4.50	5.17	5.43	6.12	7.43	s 8.22	8.53	s 9.01	9.52		11.28	1.15	3.03	4.00	s 4.30	f 7.30					
4.8																						
BATAVIA	24.6						f									f						
3.3																						
DIXON	21.3	4.39	f 5.04	5.32	5.59	7.32	s 8.02	8.42	s 8.48	9.41		11.17	s 1.01	2.52	s 3.49	s 4.10	s 7.17					
4.3																						
TREMONT	17.0						f									f						
2.0																						
BRIGGSTON	15.0																					
1.8																						
TO-R DAVIS	13.2	f 4.27	4.52	5.20	5.47AM	7.20	s 7.45	8.30AM	s 8.35	9.30	s 10.25AM	11.05	s 12.50	2.40	s 3.36	s 3.55	s 7.00	s 7.45PM	s 7.55PM	6.40AM	7.10AM	7.30
1.5																						
CHILES	11.7																					
2.0																						
SWINGLE	9.7						f									f			f			
1.3																						
WEBSTER	8.4	4.18	4.43	5.12		7.12	f 7.34		8.28	9.23	10.15	10.57	12.42	2.32	3.28	f 3.42	6.42	7.35	f 7.45			
5.9																						
MIKON	2.5															f			f			
0.6																						
Sacramento Northern Ry. Crossing	1.9																					
1.4																						
WASHINGTON	0.5						f									f			f			
0.5																						
TO-R SACRAMENTO	0.0	4.05AM	4.30AM	5.00AM		7.00AM	7.20AM		8.15AM	9.10AM	10.00AM	10.45AM	12.30PM	2.20PM	3.15PM	3.30PM	6.30PM	7.20PM	7.30PM	6.00AM	6.30AM	6.15PM
56.4		Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily Ex. SUNDAY	Leave Daily EX. SUNDAY	Leave Daily
Time over District		(1.30)	(1.35)	(1.25)	(1.13)	(1.25)	(2.02)	(1.05)	(1.27)	(1.20)	(0.25)	(1.25)	(1.30)	(1.25)	(1.30)	(2.00)	(1.42)	(0.25)	(0.25)	(0.40)	(7.30)	(5.15)
Average speed per hour		37.60	35.62	39.81	35.50	39.81	27.73	39.87	38.89	42.30	31.68	39.81	37.60	39.81	37.60	28.20	33.17	31.68	31.68	19.80	7.52	10.74

Derail in westward main track just west of station building, Benicia.

ADDITIONAL FLAG STOPS TO DISCHARGE PASSENGERS

Train	At	For Passengers From or Beyond
1	Any Station	Cheyenne
5	Any Station	Sacramento
13	Elmira	Roseville
15	Any Station	Portland
19	Any Station	Sparks
21	Any Station	Sparks
47	Any Station	Davis

ADDITIONAL FLAG STOPS TO RECEIVE OR DISCHARGE PASSENGERS

Train	At	Frequency
17	Jacksnipe, Teal, Cygnus and Pierce	Sunday and Wednesday during hunting season
29	Jacksnipe, Teal, Cygnus and Pierce	Sunday and Wednesday during hunting season
47	Jacksnipe, Teal, Cygnus and Pierce	Sunday and Wednesday during hunting season
209	Jacksnipe, Teal, Cygnus and Pierce	Sunday and Wednesday during hunting season

No. 45 Broderick daily for mail.

EASTWARD

Time Table No. 185

August 19, 1923

Capacity of Sidings in car Lengths	THIRD CLASS		FIRST CLASS															
	288	250	132	26	130	44	50	8	84	40	146	36	124	120	86	Distance from San Francisco		
	Fresno Freight	Tracy Local Freight	San Francisco Martinez Passenger	The Owl	San Francisco Martinez Passenger	San Francisco Bay Point Passenger	The Tehachapi	San Francisco Los Angeles Passenger	San Francisco Fresno Passenger	San Francisco Bay Point Passenger	San Francisco San Ramon Mixed	San Francisco Stockton Passenger	San Francisco Bay Point Passenger	Port Costa Martinez Passenger	Oil Fields Passenger			
	Leave Daily	Leave Daily EX. SUNDAY	Leave SUNDAY ONLY	Leave Daily	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave SUNDAY ONLY	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily			**STATIONS**
Yard BKWFIT P	8.35PM	7.35AM	9.15PM	7.19PM	6.44PM	5.35PM	**5.30PM**	12.05PM	9.56AM	9.30AM	9.30AM	8.00AM	7.33AM	**6.25AM**	12.43AM	31.1	Block Signals	TO-R PORT COSTA 1.1
P			f		f	f				f	f					32.2		NEVADA DOCK 0.9
												f		f		33.1		OZOL 1.6
80 WP	8.45	**8.10**	s 9.25PM	7.28	s 6.54PM	s 5.45	s 5.39	s **12.15**	s 10.05	s 9.40	s 9.40	s **8.10**	s 7.42	s 6.40AM	f 12.51	34.7		TO-R MARTINEZ 1.8
111 P						f				f	f	f	f			36.0		MOCOCO 0.8
						f				f	f	f				36.8		PEYTON 1.3
73 Y P	8.52	8.40		7.34		s 5.55	5.45	12.23	10.11	9.50	s 9.50AM	s 8.17	s **7.50**		12.57	38.1		TO-R AVON 3.2
Interchange 208 P	9.00	9.10		7.39		s 6.00PM	5.50	s 12.29	10.16	s 10.05AM		s 8.27	s 8.05AM		f 1.03	41.3		TO-R BAY POINT 1.7
70 P												f 8.30			1.06	43.0		NICHOLS 1.8
Interchange 56 P	**9.10**	9.30		7.44			5.56	12.35	10.21			f 8.37			1.09	44.8		McAVOY 4.1
Interchange 50 W P	9.20	**10.26**		7.49			s 6.01	s 12.42	**10.26**			s 8.47			s 1.16	48.9		TO PITTSBURG 1.9
												f				50.8		LOS MEDANOS 2.3
																53.1		PRINCE 0.4
56 P	9.30	11.10		7.55			f 6.10	s **12.50**	10.32			s 9.00			1.24	53.5		TO ANTIOCH 2.5
												f				56.0		NEWLOVE 1.3
83	9.45	**11.28AM**		8.03			6.15	12.57	10.38			f 9.08			1.31	57.8		NEROLY 4.4
154 WP	10.00	**12.01PM**		8.09			s 6.21	s 1.05	10.45			s 9.18			1.39	61.7		TO BRENTWOOD 5.2
95 P	10.20	12.25					s 6.29	s 1.15	**10.52**			s 9.30			1.49	66.9		TO BYRON 2.0
P							f	f				f				68.9		BYRON HOT SPRINGS 2.7
51 P	10.40	12.40		**8.21**			6.39	1.25	**11.01**			f 9.40			1.57	71.6		HERDLYN 4.1
59 P	11.10	1.00		8.26			6.48	1.32	11.06			s **9.50**			2.04	75.7		TO BETHANY 3.4
47	11.30PM	1.15		8.31			6.53	1.40				f 10.00			2.10	79.1		JANNEY 3.1
Term yard BKWFTY P	12.01AM	1.35PM		s 8.36PM			s 7.00PM	s 1.50PM	s 11.15AM			s 10.10AM			s 2.20AM	82.2		TO-R TRACY
	Arrive Daily	Arrive Daily EX. SUNDAY	Arrive SUNDAY ONLY	Arrive Daily	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive SUNDAY ONLY	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily			(51.1)
	(3.26)	(6.00)	(0.10)	(1.17)	(0.10)	(0.25)	(1.30)	(1.45)	(1.19)	(0.35)	(0.20)	(2.10)	(0.32)	(0.15)	(1.37)	..................Time over District		
	14.85	8.51	21.60	39.81	21.60	24.48	34.06	29.21	38.81	17.41	21.00	23.58	19.12	14.40	31.50	..................Average speed per hour		

Westward trains are superior to trains of the same class in the opposite direction. Exception—No. 120 is Superior to No. 123.

AT MARTINEZ: Nos. 120, 130 and 132 }
AT BAY POINT: Nos. 124, 40 and 44 } May occupy main track until ten minutes after schedule arriving time as shown above, but Rule 99 must be complied with.

ADDITIONAL FLAG STOPS		
Train	At	For Passengers to (or beyond)
50	Any Station	Tracy

WESTWARD

Time Table No. 185

August 19, 1923

Block Signals

	STATIONS		Distance from Tracy	FIRST CLASS									SECOND CLASS		THIRD CLASS
				87 Oil Fields Passenger	123 Martinez San Francisco Passenger	25 The Owl	81 Bay Point Napa San Francisco Passenger	109 Sunset Express	43 Bay Point San Francisco Passenger	125 Avon San Francisco Passenger	49 The Tehachapi	35 Tracy San Francisco Passenger	133 Martinez Port Costa Passenger	135 Martinez Port Costa Passenger	249 Tracy Local Freight
				Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily	Arrive Daily EX. SUNDAY	Arrive SUNDAY ONLY	Arrive Daily EX. SUNDAY
TO-R	PORT COSTA	1.1	51.1	s 6.25AM	s 7.04AM	s 7.20AM	s 8.20AM	s 12.25PM	s 4.20PM	s 5.20PM	s 5.30PM	s 9.38PM	7.14PM	s 9.50PM	3.15PM
	NEVADA DOCK	0.9	50.0		f		f			f			f	f	
	OZOL	1.6	49.1		f				f						
TO-R	MARTINEZ	1.3	47.5	s 6.15	6.55AM	7.10	s 8.10	s 12.15	s 4.10	s 5.12	s 5.20	s 9.30	7.03PM	9.35PM	3.00
	MOCOCO	0.8	46.2				f		f	f		f			
	PEYTON	1.3	45.4					f		f		f			
TO-R	AVON	3.2	44.1	6.07		7.05	s 7.50	f 12.04PM	s 4.00	5.05PM	5.10	f 9.22			2.35
TO-R	BAY POINT	1.7	40.9	f 6.00		7.01	s 7.30AM	s 11.59AM	3.55PM		s 5.05	s 9.16			2.20
	NICHOLS	1.8	39.2	5.55				11.54				f 9.13			1.55
	McAVOY	4.1	37.4	5.53		6.57		f 11.52			5.00	f 9.10			1.50
TO	PITTSBURG	1.9	33.3	f 5.47		6.52		s 11.46			s 4.54	s 9.02			1.40
	LOS MEDANOS	2.3	31.4					f				f			
	PRINCE	0.4	29.1												
TO	ANTIOCH	2.5	28.7	f 5.38		6.46		s 11.36			f 4.44	f 8.53			12.50
	NEWLOVE	1.3	26.2					f							
	NEROLY	4.4	24.9	5.31		6.42		f 11.28			4.37	f 8.46			12.20
TO	BRENTWOOD	5.2	20.5	s 5.24				s 11.21			s 4.30	s 8.40			12.01PM 11.11AM
TO	BYRON	2.0	15.3	s 5.14		6.30		s 11.11			s 4.20	s 8.30			10.52
	BYRON HOT SPRINGS	2.7	13.3					f			f	f			
	HERDLYN	4.1	10.6	5.07		6.24		11.01			4.12	f 8.21			10.15
TO	BETHANY	3.4	6.5	5.01		6.19		s 10.55			4.05	f 8.10			9.50
	JANNEY	3.1	3.1	4.55		6.14		10.50			4.00	f 8.05			9.25
TO-R	TRACY		0.0	4.50AM		6.10AM		10.45AM			3.55PM	8.00PM			9.15AM
	(51.1)			Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily	Leave Daily EX. SUNDAY	Leave SUNDAY ONLY	Leave Daily EX. SUNDAY
	Time over District			(1.35)	(0.09)	(1.10)	(0.50)	(1.40)	(0.25)	(0.15)	(1.35)	(1.38)	(0.11)	(0.15)	(6.00)
	Average speed per hour			32.27	24.00	43.80	12.24	30.66	24.48	28.00	32.27	31.28	19.60	14.40	8.51

Westward trains are superior to trains of the same class in the opposite direction. Exception—No. 120 is Superior to No. 123.

AT BAY POINT Nos. 81 and 43
AT MARTINEZ Nos. 123, 133 and 135 } May occupy main track ten minutes before schedule leaving time as shown above, but Rule 99 must be complied with.

ADDITIONAL FLAG STOPS TO DISCHARGE PASSENGERS		
Train	At	For Passengers from or beyond
49	Any Station	Los Angeles

ADDITIONAL REGULAR STOPS		
Train	At	Frequency
43	Nevada Dock	Sunday
87	Byron Hot Springs	Monday

EASTWARD

Time Table No. 185

August 19, 1923

Capacity of sidings in car lengths.	THIRD CLASS			SECOND CLASS			FIRST CLASS												Distance from San Francisco	STATIONS	
	802	**280**	**278**	**242**	**246**	**254**	**74**	**80**	**96**	**38**	**904**	**92**	**82**	**502**	**32**	**902**	**90**	**24**			
	San Jose Local Freight	San Jose Local Freight	Tracy Local Freight	Fresno Mdse. Freight	Fresno Freight	Ogden Manifest	The Padre	Stockton Flyer	San Francisco San Jose Passenger	San Francisco Sacramento Passenger	Stonehurst Local	San Francisco San Jose Passenger	San Francisco Stockton Passenger	San Francisco Santa Cruz Passenger	San Francisco Sacramento Passenger	Stonehurst Local	San Francisco San Jose Passenger	Tonopah Express			
	Leave Daily EX. SUNDAY	Leave Daily EX. SUNDAY	Leave Daily EX. SUNDAY	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily			
				7.00PM		10.00PM	7.40PM	6.00PM	5.20PM	4.00PM	3.20PM	11.40AM	8.40AM	8.20AM	7.20AM	6.40AM	6.40AM	1.20AM	0.0	SAN FRANCISCO 3.5	Oakland Ferry
							7.58	6.18	5.38	4.18	3.38	11.58	8.58	8.38	7.38	6.58	6.58	1.38	3.5	OAKLAND PIER	
BKWI P							8.05PM	6.24PM	5.50PM	4.25PM	3.45PM	12.08PM	9.05AM	8.50AM	7.50AM	7.07AM	7.05AM	1.50AM	3.5	TO-R OAKLAND PIER 1.4 Cedar St. Crossing	Double Track
Term. Yard BKWFITY P Interchange	9.15AM	8.00AM	4.10AM																4.9	TO-R WEST OAKLAND 1.0	
																			5.9	Western Pacific Crossing 0.8	
I P							s 8.15	s 6.32	s 6.00	s 4.33	s 3.55	s 12.17	s 9.12	s 9.00	s 7.58	s 7.15	s 7.13	s 1.57	6.7	OAKLAND (First St.) 0.1	
																			6.8	Webster Street Crossing 1.5	
P									f		f	f		f		f	f		8.3	EAST OAKLAND 1.4	
I P							s 8.22		s 6.09	s 4.42	s 4.05	s 12.24	s 9.19	s 9.10	s 8.05	s 7.25	s 7.20	2.05	9.7	FRUITVALE 0.6	
																			10.3	Cala. Ry. Crossing 3.1	
55 P	9.40AM	8.25	4.35				8.30PM	6.45	s 6.17	4.50	s 4.15PM	f 12.31	9.27	s 9.17AM	f 8.12	s 7.35AM	s 7.27	2.13	13.4	TO-R ELMHURST 1.4	
38 WP		9.00	4.40					6.47	s 6.22	4.53		s 12.36	9.29		s 8.15		s 7.32	s 2.16	14.8	TO SAN LEANDRO 0.7	Block Signals
									f			f					f		15.5	SOUTH SAN LEANDRO 1.0	
									f			f			f		f		16.5	ESTUDILLO 1.0	
40 P		**9.08** **9.33**	4.50					6.50	s 6.30	f 4.58		s 12.42	**9.33**		f 8.21		s 7.38	2.20	17.5	TO LORENZO 2.6	
46 P		10.15	5.00					6.53	s 6.35	s **5.05**		s 12.48	9.37		s 8.26		s 7.43	s 2.25	20.1	TO HAYWARD 3.9	
33 P		**10.30**	5.10					6.58	f 6.43	5.11		f 12.55	9.42		8.31		f 7.50	2.32	24.0	HALVERN 2.5	
36 P		11.00	5.20					**7.01**	s **6.48**	f 5.16		s 1.00	9.46		s 8.37		s 7.54	2.37	26.5	TO DECOTO 1.1	
									f								f		27.6	PABRICO 1.6	
Yard WY P		11.15AM	5.30	9.00PM	8.10PM	1.25AM		s 7.06	s 6.55PM	s 5.29		s 1.08PM	s **9.55**		s 8.46		s 8.00AM	s 2.44	29.2	TO-R NILES 2.5	
36 P			5.50	9.07	8.20	1.40		7.10		**5.38**			9.59		f **8.54**			2.49	31.7	FARWELL 1.9	
																			33.6	BRIGHTSIDE 2.0	
75 P			6.30	9.18	**8.38**	1.55		f 7.17		s 5.45			f 10.06		s **9.02**			2.59	35.6	TO SUNOL 2.8	
															f				38.4	VERONA 2.5	
79 P			7.00	9.30	9.05	2.15		f 7.24		s 5.54			s 10.15		s 9.12			3.09	40.9	TO PLEASANTON 1.1	
IY P																			42.0	RADUM 0.4	
																			42.4	REMILLARD 0.6	
41 P			7.25	9.35	9.15	2.25		7.27		**5.57**			10.18		f 9.16			3.13	43.0	ELIOT 3.9	
94 WT P			**8.00** **9.40**	9.50	9.30	2.55		s 7.34		s 6.04			s 10.25		s **9.28**			s 3.19	46.9	TO LIVERMORE 1.5	
P															f				48.4	TREVARNO 2.1	
80 P			**10.32**	10.10	9.45	3.15		7.40		6.12			**10 32**		f 9.38			3.28	50.5	ULMAR 4.5	
79 WT P			11.00	10.30	10.00	3.40		7.48		6.20			10.39		s 9.50			**3.40**	55.0	TO ALTAMONT 4.5	
29 P			11.15	10.50	10.20	4.10		**8.00**		6.28			10.48		f 10.00			3.50	59.5	CAYLEY 3.6	
78 P			11.30	11.25PM	10.40	4.25		8.07		6.35			10.56		f 10.08			4.00	63.1	MIDWAY 5.6	
30 P																			68.7	MEDAL 2.1	
Term. Yard BKWFT Y P			11.45AM	12.05AM	11.00PM	**5.15AM**		s 8.18PM		s 6.50PM			s 11.10AM		s 10.20AM			s 4.15AM	70.8	TO-R TRACY	
	Arrive Daily EX. SUNDAY	Arrive Daily EX. SUNDAY	Arrive Daily EX. SUNDAY	Arrive Daily EX. MONDAY	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily		(67.3)	
	(0.25) 20.40	(3.15) 7.47	(7.35) 9.08	(3.05) 13.41	(2.50) 14.68	(3.50) 10.85	(0.25) 23.71	(1.54) 35.42	(1.05) 24.49	(2.25) 27.80	(0.30) 19.80	(1.00) 25.70	(2.05) 32.70	(0.27) 22.00	(2.30) 26.92	(0.28) 21.21	(0.55) 28.03	(2.25) 27.80		........Time over District ....Average speed per hour	

On single track westward trains are superior to trains of the same class in the opposite direction.

ADDITIONAL FLAG STOPS TO RECEIVE OR DISCHARGE PASSENGERS

Train	At	For Passengers To or From
32	Bonita	Any Station
90	Cherryland	Any Station
90-92-96	Cherry	Any Station
90-92-96	Harder	Any Station
90-92-96	Tennyson	Any Station

ADDITIONAL REGULAR STOPS TO DISCHARGE PASSENGERS

Train	At	Frequency
38	Farwell	Saturday only

No. 24 reduce speed Fruitvale sufficiently to enable safe dispatch of papers.

ADDITIONAL FLAG STOPS TO RECEIVE PASSENGERS

Train	At	For Passengers Destined To or Beyond
38	San Leandro	Sunol

WESTWARD

Time Table No. 185

August 19, 1923

STATIONS		Distance from Tracy	89	91	73	79	31	501	95	37	51	901	903	557	253	279	277	801
			FIRST CLASS									SECOND CLASS			THIRD CLASS		FOURTH CLASS	
			San Jose San Francisco Passenger	San Jose San Francisco Passenger	The Padre	Stockton Flyer	Sacramento Stockton San Francisco Passenger	Santa Cruz San Francisco Passenger	San Jose San Francisco Passenger	Stockton San Francisco Passenger	Fresno San Francisco Passenger	Stonehurst Local	Stonehurst Local	Santa Cruz San Francisco Passenger	Ogden Manifest	San Jose Local Freight	Tracy Local Freight	San Jose Local Freight
			Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive SUNDAY ONLY	Arrive Daily	Arrive Daily EX. SUNDAY	Arrive Daily EX. SUNDAY	Arrive Daily EX. SUNDAY
SAN FRANCISCO 3.5	Oakland Ferry	70.8	7.10AM	8.10AM	9.30AM	10.10AM	2.30PM	5.50PM	6.30PM	7.10PM	10.05PM	8.50AM	5.30PM	10.05PM	11.30PM			
OAKLAND PIER		67.3	6.52	7.52	9.12	9.52	2.12	5.32	6.12	6.52	9.47	8.32	5.12	9.47				
TO-R OAKLAND PIER 1.4	Block Signals Double Track	67.3	s 6.42AM	s 7.42AM	s 9.02AM	s 9.46AM	s 2.05PM	s 5.20PM	s 6.02PM	s 6.40PM	s 9.40PM	s 8.25AM	s 4.55PM	s 9.44PM				
Cedar St. Crossing TO-R WEST OAKLAND 1.0		65.9														9.10PM	12.20PM	3.35PM
Western Pacific Crossing 0.8		64.9																
OAKLAND (First St.) 0.1		64.1	s 6.33	s 7.34	s 8.52	s 9.38	s 1.57	s 5.10	s 5.49	s 6.30	s 9.28	s 8.15	s 4.48	s 9.34				
Webster Street Crossing 1.5		64.0																
EAST OAKLAND 1.4		62.5	f									f	f					
FRUITVALE 0.6		61.1	s 6.25	s 7.25	f 8.42	9.28	s 1.49	s 5.01	s 5.39	s 6.20	9.18	s 8.05	s 4.38	s 9.24				
Cala. Ry. Crossing 3.1		60.5																
TO-R ELMHURST 1.4		57.4	s 6.17	s 7.17	8.37AM	9.23	1.42	4.54PM	f 5.29	6.12	9.12	7.55AM	4.30PM	9.15PM		8.30	11.40AM	3.00PM
TO SAN LEANDRO 0.7		56.0	s 6.13	s 7.12		9.21	1.40		s 5.24	6.09	9.10					8.20	11.25	
SOUTH SAN LEANDRO 1.0		55.3	f	f					f									
ESTUDILLO 1.0		54.3	f	f					f									
TO LORENZO 2.6		53.8	s 6.06	s 7.04		9.15	1.35		s 5.12	6.04	9.06					8.00	11.10	
TO HAYWARD 3.9		50.7	s 5.59	s 6.56		9.11	s 1.30		s 5.05	5.59	9.02					7.45	11.00	
HALVERN 2.5		46.8	f 5.52	f 6.47		9.06	1.24		f 4.57	5.54	8.57					7.15	10.30	
TO DECOTO 1.1		44.3	f 5.47	s 6.42		9.03	1.20		s 4.53	5.50	8.54					7.01 6.43	10.20	
PABRICO 1.6		43.2		f					f									
TO-R NILES 2.5		41.6	5.42AM	6.37AM		s 8.59	s 1.15		4.47PM	s 5.45	f 8.50				6.55PM	6.30PM	10.05 9.45	
FARWELL 1.9		39.1				8.54	1.06			f 5.38	8.45				6.40		9.35	
BRIGHTSIDE 2.0		37.2																
TO SUNOL 2.8		35.2				f 8.46	s12.59			s 5.31	8.38				6.25		9.02	
VERONA 2.5		32.4																
TO PLEASANTON 1.1		29.9				s 8.38	s12.49			s 5.23	8.30				6.10		8.38	
RADUM 0.4		28.8																
REMILLARD 0.6		28.4																
ELIOT 3.9		27.8				8.34	12.43			f 5.17	8.26				5.57		8.15	
TO LIVERMORE 1.5		23.9				s 8.28	s12.38			s 5.11	f 8.21				5.11		8.00	
TREVARNO 2.1		22.4								f								
ULMAR 4.5		20.8				8.21	12.31			f 5.05					4.50		6.35	
TO ALTAMONT 4.5		15.8				8.14	12.24			s 4.58	8.10				4.35		6.20	
CAYLEY 3.6		11.3				8.04	12.14			4.49	8.00				4.20		6.00	
MIDWAY 5.6		7.7				7.58	12.07PM			f 4.43	7.50				4.00		5.40	
MEDAL 2.1		2.1																
TO-R TRACY		0.0				7.48AM	11.55AM			4.33PM	7.40PM				3.30PM		5.15AM	
(67.3)			Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave SUNDAY ONLY	Leave Daily	Leave Daily EX. SUNDAY	Leave Daily EX. SUNDAY	Leave Daily EX. SUNDAY
Time over District Average speed per hour			(1.00) 25.70	(1.05) 24.49	(0.25) 23.76	(1.58) 34.20	(2.10) 31.06	(0.26) 22.83	(1.15) 20.51	(2.07) 31.79	(2.00) 33.65	(0.30) 19.80	(0.25) 23.76	(0.29) 21.11	(3.25) 13.13	(2.40) 9.11	(7.05) 11.13	(0.35) 14.57

On single track westward trains are superior to trains of the same class in the opposite direction.

ADDITIONAL FLAG STOPS TO DISCHARGE PASSENGERS

Train	At	For Passengers From or Beyond
37	Any Station west of Niles	Sunol
51	Fruitvale	Any Station

ADDITIONAL FLAG STOPS TO RECEIVE OR DISCHARGE PASSENGERS

Train	At	For Passengers To or From
89-91-95	Tennyson	Any Station
89-91-95	Harder	Any Station
89-91	Cherry	Any Station

EASTWARD

Time Table No. 185

August 19, 1923

WESTWARD

Capacity of sidings in car lengths.	THIRD CLASS				FIRST CLASS				Distance from San Francisco		STATIONS	Distance from San Jose	FIRST CLASS								SECOND CLASS		THIRD CLASS
	280 San Jose Local Freight				96 San Francisco San Jose Passenger	92 San Francisco San Jose Passenger	188 Niles San Jose Passenger	90 San Francisco San Jose Passenger					91 San Jose San Francisco Passenger	187 San Jose Niles Passenger	95 San Jose San Francisco Passenger						245 Fresno Freight		279 San Jose Local Freight
	Leave Daily EX. SUNDAY				Leave Daily	Leave Daily	Leave Daily	Leave Daily					Arrive Daily	Arrive Daily	Arrive Daily						Arrive Daily		Arrive Daily EX. SUNDAY
Yard WY P	12.40PM				6.57PM	1.15PM	9.55AM	8.00AM	29.2	Block Signals	TO-R NILES	17.5	s 6.37AM	s 9.45AM	s 4.43PM						8.00PM		4.10PM
IY									29.7		0.5 W. P. Crossing	17.0											
					f	f	f	f	30.6		0.9 OVERACKER	16.1	f	f	f								
37 P	1.00				s 7.02	s 1.22	s 10.03	s 8.07	32.8		2.2 IRVINGTON	13.9	s 6.29	f 9.37	s 4.34						7.45		4.00
44 P	1.28				f 7.08	f 1.28	f 10.10	f 8.13	36.3		3.5 WARM SPRINGS	10.4	f 6.23	f 9.31	f 4.26						7.35		3.30
42 P	1.50				s 7.15	s 1.36	s 10.20	s 8.21	40.7		4.4 TO MILPITAS	6.0	f 6.16	f 9.25	s 4.20						7.15		3.20
38 P	2.10				f 7.19	f 1.41	f 10.25	f 8.26	43.3		2.6 WAYNE	3.4	f 6.10	9.20	f 4.15						7.00		3.10
Interchange									45.9		2.6 RURIC	0.8											
Term. Yard BKWFIT P	2.30PM				s 7.30PM	s 1.50PM	s 10.32AM	s 8.35AM	46.7		0.8 TO-R SAN JOSE	0.0	6.05AM	9.15AM	4.10PM						6.45PM		3.00PM
	Arrive Daily EX. SUNDAY				Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily			(17.5)		Leave Daily	Leave Daily	Leave Daily						Leave Daily		Leave Daily EX. SUNDAY
	(1.50)				(0.33)	(0.35)	(0.37)	(0.35)			Time over District		(0.32)	(0.30)	(0.33)						(1.15)		(1.10)
	9.54				31.81	30.00	28.39	30.00			Average speed per hour		32.81	35.00	31.81						14.00		15.00

EASTWARD

Time Table No. 185

August 19, 1923

WESTWARD

Capacity of sidings in car lengths.	SECOND CLASS			FIRST CLASS	Distance from San Francisco		STATIONS	Distance from Niles	THIRD CLASS		
	242 Fresno Merchandise Freight	254 Ogden and Portland Manifest Freight		504 San Jose San Francisco Passenger					253 Ogden Manifest Freight		
	Leave Daily EX. SUNDAY	Leave Daily		Leave Daily					Arrive Daily		
	7.00PM	10.00PM			5.2		BAY SHORE	37.8	11.30PM		
YP	8.00PM	12.15AM			26.2	Double Track	21.0 TO-R REDWOOD JCT.	16.8	10.00PM		
137					26.4		0.2 BESTOS (End of Double Track)	16.6			
					28.0		1.6 SWEENY	15.0			
58 P	8.10	12.25			29.5		1.5 HENDERSON	13.5	9.15		
P					30.9		1.4 RAVENSWOOD	12.1			
56 P	8.20	12.35		(See Note)	33.9		3.0 DUMBARTON	9.1	8.45		
Yard 108 WY P	8.30	1.00		5.20AM	37.2	Block Signals	3.3 TO-R NEWARK	5.8	8.30		
					39.0		1.8 MATTOS	4.0			
56 P	8.40	1.10		s 5.25	40.1		1.1 CENTERVILLE	2.9	7.50		
IY					42.4		2.4 W. P. Crossing	0.5			
Yard WY P	8.50PM	1.25AM		s 5.35AM	43.0		0.5 TO-R NILES	0.0	7.40PM		
	Arrive Daily EX. SUNDAY	Arrive Daily		Arrive Daily			(17.5)		Leave Daily		
	(0.50)	(1.10)		(0.15)			Time over District		(2.20)		
	20.16	14.40		23.20			Average speed per hour		7.20		

EASTWARD

Time Table No. 185

August 19, 1923

WESTWARD

	FIRST CLASS		Distance from San Francisco		STATIONS		Distance from Stonehurst	SECOND CLASS		
	904 Stonehurst Local	902 Stonehurst Local						901 Stonehurst Local	903 Stonehurst Local	
	Leave Daily	Leave Daily						Arrive Daily	Arrive Daily	
	3.20PM	6.40AM	0.0		SAN FRANCISCO	Oakland Ferry	14.3	8.50AM	5.30PM	
	3.38	6.58	3.5		3.5 OAKLAND PIER		10.8	8.32	5.12	
	4.15PM	7.35AM	13.4	TO	ELMHURST		0.9	s 7.55AM	s 4.30PM	
	s 4.20PM	s 7.40AM	14.3		0.9 Western Pac. Crossing. STONEHURST		0.0	7.50AM	4.25PM	
	Arrive Daily	Arrive Daily						Leave Daily	Leave Daily	

Westward trains are superior to trains of the same class in the opposite direction.

Schedule time and train orders will apply at the end of double track at Redwood Jct.

The schedule of No. 504 originates at the passenger station at Newark.

EASTWARD

WESTWARD

Time Table No. 185

August 19, 1923.

Capacity of Sidings in car lengths.	THIRD CLASS	FIRST CLASS		Distance from San Francisco		Distance from San Jose	FIRST CLASS			SECOND CLASS	FOURTH CLASS
	802 San Jose Local Freight	74 The Padre	502 San Francisco Santa Cruz Passenger				503 San Jose San Francisco Passenger	73 The Padre	501 Santa Cruz San Francisco Passenger	557 Santa Cruz San Francisco Passenger	801 San Jose Local Freight
	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily		STATIONS		Arrive Daily	Arrive Daily	Arrive Daily	Arrive SUNDAY ONLY	Arrive Daily EX. SUNDAY
55 P	9.40AM	8.30PM	9.17AM	13.4	TO-R ELMHURST 2.1	34.0		8.37AM	f 4.54PM	s 9.15PM	3.00PM
14	9.45		f 9.22	15.5	MULFORD 2.3	31.9			f 4.49	f 9.10	2.45
18 P	9.50		f 9.26	17.8	ROBERT 2.4	29.6			f 4.44	f 9.06	
77 WP	10.00		f 9.31	20.2	RUSSELL 1.3	27.2			f 4.39	f 9.01	2.30
26 P	10.15		s 9.34	21.5	MOUNT EDEN 1.5	25.9			s 4.36	s 8.57	2.00
9 Spur			f	23.0	BAUMBERG 2.3	24.4			f	f	
68 P	10.40	**8.48**	s 9.42	25.3	TO ALVARADO 0.9	22.1		8.19	s 4.31	s **8.48**	1.30
			f	26.2	HALL 2.2	21.2			f		
13	10.55		f 9.47	28.4	ARDEN 0.6	19.0			f 4.26	f 8.37	1.00
				29.0	HILLARD 1.6	18.4	(See Note)				
Yard WYP	11.10	8.56	s 9.55	30.6	Block Signals TO-R NEWARK 2.2	16.8	s 5.20AM	8.12	s 4.22	s 8.33	12.40PM
9			f	32.8	MOWRY 1.3	14.6	f		f		
88 P	**11.45**AM	9.02	f 10.03	34.1	ALBRAE 1.4	13.3	f 5.10		f 4.13	f 8.27	**11.45**AM
			f	35.5	MALLARD 1.0	11.9			f	f	
6 P			f	36.5	DRAWBRIDGE 2.6	10.9	f		f	f	
18 P	12.01PM		s 10.13	39.1	ALVISO 2.6	8.3	f 5.03		s 4.04	s 8.19	11.30
59 P	12.20	9.14	s 10.18	41.7	TO AGNEW 3.1	5.7	s 4.58	7.55	s 3.57	s 8.15	11.15
Yard P	12.35	9.19	s 10.23 10.30	44.8	SANTA CLARA 1.4	2.6	f 4.51	7.51	s 3.50	s 8.10 8.06	11.05
I P	12.40PM	9.22PM	f 10.35AM	46.2	Block Signals R COLLEGE PARK	1.2	4.48AM	7.48AM	3.45PM	8.03PM	10.55AM
Trains between College Park, San Jose and West San Jose governed by Coast Division Time Table.											
Term. Yard BKWFIT P	12.45PM	9.2 PM		47.4	TO-R SAN JOSE	0.0	4.45AM	7.45AM		8.00PM	10.50AM
			10.40AM		WEST SAN JOSE				3.40PM		
	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily				Leave Daily	Leave Daily	Leave Daily	Leave SUNDAY ONLY	Leave Daily EX. SUNDAY
	(3.00)	(0.52)	(1.18)		Time over District		(0.32)	(0.49)	(1.09)	(1.12)	(4.05)
	10.90	37.85	25.20		Average speed per hour		29.25	40.11	28.23	27.30	8.03

On single track westward trains are superior to trains of the same class in the opposite direction.

The schedule of No. 503 terminates at the passenger station at Newark.

EASTWARD

Time Table No. 185
August 19, 1923

Capacity of sidings in car lengths.	THIRD CLASS	FIRST CLASS						Distance from San Francisco		STATIONS	
	262	64	70	170	62	68	168				
	Calistoga Local Freight	San Francisco Napa Passenger	San Francisco Santa Rosa Passenger	Vallejo Suisun Mixed	San Francisco Calistoga Passenger	San Francisco Santa Rosa Passenger	Vallejo Suisun Passenger				
	Leave Daily EX. SUNDAY	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave SUNDAY ONLY	Leave Daily				
Yard BKWFT		5.25PM	5.15PM	3.30PM	9.45AM	9.35AM	7.40AM	30.0	TO-R	SOUTH VALLEJO	
											1.1
		s 5.28	s 5.18	s 3.35	s 9.50	s 9.40	s 7.43	31.1		NORTH VALLEJO	
											0.7
		f	f	f	f	f	f	31.8		LOUISIANA ST.	
											0.5
		f	f	f	f	f	f	32.3		ORPHANS HOME	
											2.1
24		f 5.36	f 5.26	f 3.41	f 9.55	f 9.45	f 7.49	34.4		FLOSDEN	
											2.5
								36.9		STANDARD	
											0.4
Yard WY P	7.10AM	s 5.45	s 5.35PM	s 3.50PM	s 10.05	s 9.55AM	s 7.57AM	37.3	TO-R	NAPA JUNCTION	
											0.7
								38.0		Napa Valley Ry. Crossing	
											0.9
		f			f			38.9		MIDDLETON	
											2.1
		f 5.54			f 10.12			41.0		RATTO	
											0.7
		f			f			41.7		SUSCOL	
											2.5
		f			f			44.2		IMOLA	
											1.2
								45.4		Napa Valley Ry. Crossing	
											0.1
Yard 30 BKW	7.40	s 6.05PM			s 10.24			45.5	TO-R	NAPA	
											2.3
6	8.15				f 10.29			47.8		UNION	
											2.4
12					f 10.35			50.2		OAK KNOLL	
											1.5
9					f			51.7		TRUBODY	
											2.3
22 W	8.35				s 10.45			54.0	TO	YOUNTVILLE	
											3.5
27	9.10				s 10.52			57.5	TO	OAKVILLE	
											1.9
19	9.25				s 10.57			59.4	TO	RUTHERFORD	
											1.8
20	9.35				f 11.02			61.2		ZINFANDEL	
											0.9
								62.1		THOMAN	
											0.3
22					f			62.4		CRANE	
											1.2
22	9.45				s 11.07			63.6		ST. HELENA	
											0.9
11					f			64.5		KRUG	
											0.8
13					f 11.12			65.3		BARRO	
											2.2
7 W					f			67.5		BALE	
											0.8
16					f 11.20			68.3		LARKMEAD	
											0.7
10 W					f			69.0		MAPLE	
											2.7
10 WT	10.30AM				s 11.33AM			71.7	TO-R	CALISTOGA	
	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive SUNDAY ONLY	Arrive Daily			(41.7)	
	(3.20)	(0.40)	(0.20)	(0.20)	(1.48)	(0.20)	(0.17)			....................Time over District	
	10.40	23.26	21.90	21.90	23.16	21.90	22.82			....................Average speed per hour	

Westward trains are superior to trains of the same class in the opposite direction.

EASTWARD

Steamer

Time Table No. 185
August 19, 1923

	FROM 132 and 209	FROM 49-23 and 130	FROM 49 and 23	FROM 44	FROM 29 and 22	FROM 109	FROM 127	FROM 81 and 42	FROM 28 and 124	Distance from San Francisco	STATIONS
	SUNDAY ONLY	Daily EX. SUNDAY	SUNDAY ONLY	Daily	Daily	Daily	Daily	Daily	Daily EX. SUNDAY		
	9.00PM	6.35 PM	6.10PM	4.58PM	2.30PM	12.40PM	11.15AM	9.20AM	7.18AM	28.0	VALLEJO JCT.
WF				5.13				9.35	7.34	30.0	SOUTH VALLEJO
	9.25PM	7.00PM	6.35PM	5.30PM	3.00PM	1.05PM	11.40AM	10.00AM	7.55AM	31.6	NORTH VALLEJO WHF.

WESTWARD

Time Table No. 185
August 19, 1923

STATIONS	Distance from Calistoga	FIRST CLASS				SECOND CLASS		FOURTH CLASS
		61	69	67	63	167	169	263
		Napa San Francisco Passenger	Santa Rosa San Francisco Passenger	Santa Rosa San Fran. Passenger	Calistoga San Francisco Passenger	Suisun Vallejo Mixed	Suisun Vallejo Passenger	Calistoga Local Freight
		Arrive Daily	Arrive Daily	Arrive SUNDAY ONLY	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily EX. SUNDAY
TO-R SOUTH VALLEJO 1.1	41.7	s 8.12AM	s8.22AM	s4.05PM	s 4.15PM	s10.20AM	s6.00PM	
NORTH VALLEJO 0.7	40.6	s 8.08	s8.18	s4.01	s 4.11	s10.16	s5.56	
LOUISIANA ST. 0.5	39.9	f	f	f	f	f	s	
ORPHANS HOME 2.1	39.4	f	f	f	f	f	f	
FLOSDEN 2.5	37.3	f 8.02	f8.12	3.55	f 4.05	f10.10	f5.50	
STANDARD 0.4	34.8							
TO-R NAPA JUNCTION 0.7	34.4	s 7.57	8.07AM	3.50PM	s 4.00 3.55	10.05AM	5.45PM	10.55AM
Napa Valley Ry. Crossing 0.9	33.7							
MIDDLETON 2.1	32.8	f			f			
RATTO 0.7	30.7	f 7.47			f 3.45			
SUSCOL 2.5	30.0	f			f			
IMOLA 1.2	27.5	f			f			
Napa Valley Ry. Crossing 0.1	26.3							
TO-R NAPA 2.3	26.2	7.40AM			s 3.37			10.24
UNION 2.4	23.9				f 3.27			9.55
OAK KNOLL 1.5	21.5				f 3.20			
TRUBODY 2.3	20.0				f			
TO YOUNTVILLE 3.5	17.7				s 3.13			9.40
TO OAKVILLE 1.9	14.2				s 3.06			9.10
TO RUTHERFORD 1.8	12.3				s 3.02			9.00
ZINFANDEL 0.9	10.5				f 2.57			8.40
THOMAN 0.3	9.6							
CRANE 1.2	9.3				f			
ST. HELENA 0.9	8.1				s 2.52			8.30
KRUG 0.8	7.2				f			
BARRO 2.2	6.4				f 2.48			
BALE 0.8	4.2				f			
LARKMEAD 0.7	3.4				f 2.42			
MAPLE 2.7	2.7				f			
TO-R CALISTOGA	0.0				2.35PM			8.00AM
(41.7)		Leave Daily	Leave Daily	Leave SUNDAY ONLY	Leave Daily	Leave Daily	Leave Daily	Leave Daily EX. SUNDAY
Time over District		(0.32)	(0.15)	(0.15)	(1.40)	(0.15)	(0.15)	(2.55)
Average speed per hour		29.06	29.20	29.20	26.33	29.20	29.20	11.79

Cross-over switch at west end of Union siding must be lined up for Union line and siding must be kept clear between these switches.

Westward trains are superior to trains of the same class in the opposite direction.

WESTWARD

Steamer

Time Table No. 185
August 19, 1923

STATIONS	Distance from No. Vallejo Wharf	Light	TO 81 and 42	TO 127	TO 109	TO 29 and 22	TO 43	TO 23	Light	TO 132 and 209	Light
		Daily EX. SUNDAY	Daily	Daily	Daily	Daily	Daily	Daily	Daily EX. SUNDAY	SUNDAY ONLY	SUNDAY ONLY
VALLEJO JCT.	3.6	7.05AM	8.45AM	11.10AM	12.35PM	2.15PM	4.40PM	6.00PM		8 45PM	
SOUTH VALLEJO	1.6	6.50AM	8.27				4.20		7.15PM		9.45PM
NORTH VALLEJO WHF.	0.0		8.05AM	10.45AM	12.05PM	1.45PM	4.08PM	5.35PM	7.05PM	8.15PM	9.30PM

EASTWARD

WESTWARD

Capacity of Sidings in Car Lengths	THIRD CLASS		FIRST CLASS		Distance from San Francisco	Time Table No. 185 August 19, 1923		Distance from Santa Rosa	FIRST CLASS		FOURTH CLASS	
	290	294	70	68					69	67	295	291
	Schellville Freight	Santa Rosa Local Freight	San Francisco Santa Rosa Passenger	San Francisco Santa Rosa Passenger					Santa Rosa San Francisco Passenger	Santa Rosa San Francisco Passenger	Santa Rosa Local Freight	Schellville Freight
	Leave Daily EX. SUNDAY	Leave Daily EX. SUNDAY	Leave Daily	Leave SUNDAY ONLY			STATIONS		Arrive Daily	Arrive SUNDAY ONLY	Arrive Daily EX. SUNDAY	Arrive Daily EX. SUNDAY
Yard WY P	10.50AM	8.05AM	5.37PM	9.57AM	37.3	TO-R	NAPA JUNCTION 0.3	36.7	s 8.05AM	s 3.50PM	12.40PM	12.55PM
					37.6		Napa Valley Ry. Crossing 1.5	36.4				
					39.1		SQUAB 1.6	34.9				
			f	f	40.7		BRAZOS 1.5	33.3	f	f		
	11.05	8.20	f 5.47	f 10.07	42.2	Block Signals	BUCHLI 2.2	31.8	f 7.54	f 3.39	12.10PM	12.40
			f	f	44.4		MERAZO 1.2	29.6	f	f		
	11.15	8.30	f 5.53	f 10.13	45.7		RAMAL 0.7	28.3	f 7.48	f 3.33	11.55AM	12.30
					46.4		DONOVAN 0.9	27.6				
					47.3		TULE VISTA 0.2	26.7				
			f	f	47.5		WECHICKA 1.3	26.5	f	f		
					48.8		N. W. Pac. Ry. Crossing 0.4	25.2				
19 Interchange	11.40AM	8.40	s 6.00	s 10.20	49.2	R	SCHELLVILLE 3.1	24.8	s 7.40	s 3.25	11.40	12.05PM
			f	f	52.3		SNYDER 1.4	21.7	f	f		
20 W		9.00	s 6.08	s 10.27	53.7	TO	EL VERANO 0.7	20.3	s 7.32	s 3.17	10.45	
			f	f	54.4		BOYES SPRINGS 1.0	19.6	f	f		
			f	f	55.4		AGUA CALIENTE 0.9	18.6	f	f		
			f	f	56.3		SOBRE VISTA 0.3	17.7	f	f		
					56.6		N. W. Pac. Ry. Crossing 0.2	17.4				
11			f 6.17	f 10.36	56.8		YULUPA 0.7	17.2	f 7.22	f 3.07		
2			s 6.19	s 10.38	57.5		ELDRIDGE 1.5	16.5	s 7.20	s 3.05		
			s 6.22	s 10.41	59.0		GLEN ELLEN 0.6	15.0	s 7.17	s 3.02		
			f	f	59.6		WARFIELD 1.4	14.4	f	f		
2			f 6.26	f 10.45	61.0		BELTANE 0.7	13.0	f 7.13	f 2.58		
			f	f	61.7		FELICE 0.9	12.3	f	f		
			f	f	62.6		WILDWOOD 0.8	11.4	f	f		
21		9.45	s 6.32	s 10.50	63.4	TO	KENWOOD 1.4	10.6	s 7.07	s 2.52	9.45	
2			f	f	64.8		LAWNDALE 0.7	9.2	f	f		
20			f	f	65.5		LOS GUILICOS 1.3	8.5	f	f		
			f 6.40	f 10.57	66.8		ANNADEL 1.6	7.2	f 7.00	f 2.45		
15					68.4		OLESON 0.9	5.6				
12 Spur			f	f	69.3		MELITTA 1.9	4.7	f	f		
			f	f	71.2		BAKU 2.8	2.8	f	f		
22 WTY Interchange		10.20AM	s 7.00PM	s 11.15AM	74.0	TO-R	SANTA ROSA	0.0	6.45AM	2.30PM	8.30AM	
	Arrive Daily EX. SUNDAY	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive SUNDAY ONLY			36.7		Leave Daily	Leave SUNDAY ONLY	Leave Daily EX. SUNDAY	Leave Daily EX. SUNDAY
	(0.50) 14.28	(2.15) 16.31	(1.23) 26.53	(1.18) 28.23			Time over District Average speed per hour		(1.20) 27.52	(1.20) 27.52	(4.10) 8.80	(0.50) 14.28

Westward trains are superior to trains of the same class in the opposite direction.

ADDITIONAL FLAG STOPS TO RECEIVE OR DISCHARGE PASSENGERS		
Train	At	For Passengers To or From
67-68 69-70	Hillview	Any Station

	EASTWARD				WESTWARD	
	FIRST CLASS			Time Table No. 185 August 19, 1923		SECOND CLASS
Capacity of sidings in car lengths	146 San Ramon Mixed Leave Daily EX. SUNDAY	Distance from San Francisco		STATIONS	Distance from Radum	145 San Ramon Mixed Arrive Daily EX. SUNDAY
45 Y	10.05AM	38.1	TO-R	AVON	29.7	s 4.45PM
				1.5		
		39.6		HAPRESS	28.2	f
				1.4		
		41.0		GALINDO	26.8	
				1.5		
80 W	s 10.15	42.5	TO	CONCORD	25.3	s 4.15
				0.7		
	f	43.2		NACIO	24.6	
				1.9		
	s 10.20	45.1		HOOKSTON	22.7	f 3.20
				0.7		
Interchange Track	f 10.25	45.8		LAS JUNTAS O. and A. Crossing	22.0	f 3.10
				1.5		
		47.3		OXLEY	20.5	
				0.9		
24	s 10.35	48.2	TO	WALNUT CREEK	19.6	s 3.00
				2.4		
	f	50.6		WIDBERO	17.2	
				2.0		
18	f 10.50	52.6		ALAMO	15.2	f 2.40
				2.2		
57	s 11.00	54.8	TO	DANVILLE	13.0	s 2.30PM
				1.6		
	f	56.4		OSAGE	11.4	
				1.3		
29 T	s 11.10AM	57.7	R	SAN RAMON	10.1	s 11.30AM
				3.6		
		61.3		FOREST HOME	6.5	
				2.3		
71		63.6		DOUGHERTY	4.2	
				2.8		
31		66.4		ASCO	1.4	
				1.4 Western Pac. Crossing		
I Y P		67.8		RADUM	0.0	
	Arrive Daily EX. SUNDAY			(29.7)		Leave Daily EX. SUNDAY
	(1.05)			Time over District		(5.15)
	18.09			Average speed per hour		3.73

	EASTWARD								WESTWARD				
	THIRD CLASS			FIRST CLASS				Time Table No. 185 August 19, 1923		SECOND CLASS		THIRD CLASS	
Capacity of sidings in car lengths	296 Santa Rosa Freight Leave Daily EX. SUNDAY	292 Schellville Freight Leave Daily EX. SUNDAY	264 Calistoga Freight Leave Daily EX. SUNDAY	170 Vallejo Suisun Passenger Leave Daily	168 Vallejo Suisun Passenger Leave Daily	Distance from San Francisco via Vallejo		STATIONS	Distance from Suisun	167 Suisun Vallejo Passenger Arrive Daily	169 Suisun Vallejo Passenger Arrive Daily	261 Calistoga Freight Arrive Daily EX. SUNDAY	293 Santa Rosa Freight Arrive Daily EX. SUNDAY	289 Schellville Freight Arrive Daily EX. SUNDAY
Yard 40 WY	1.30PM	12.55PM	11.45AM	4.05PM	8.10AM	37.3	TO-R	NAPA JUNCTION	13.2	s 9.50AM	s 5.30PM	7.00AM	7.50AM	10.30AM
								3.7						
60	1.45	1.10	12.05PM	f 4.12	f 8.17	41.0		CRESTON	9.5	f 9.40	f 5.20	6.45	7.25	10.00
								3.8						
27 W	2.00	1.25	12.15	s 4.27	s 8.27	44.8	TO	CORDELIA	5.7	s 9.32	s 5.12	6.32	7.12	9.45
								1.4						
33	2.10	1.40	12.25	f	f	46.2		THOMASSON	4.3	f	f	6.28	7.08	9.40
								1.7						
					f	47.9		SUBEET	2.6	f				
								2.6						
Yard BKWFY P	2.30PM	2.00PM	12.45PM	s 4.40PM	s 8.40AM	50.5	TO-R	SUISUN-FAIRFIELD	0.0	9.20AM	5.00PM	6.20AM	7.00AM	9.30AM
	Arrive Daily EX. SUNDAY	Arrive Daily EX. SUNDAY	Arrive Daily EX. SUNDAY	Arrive Daily	Arrive Daily			(13.2)		Leave Daily	Leave Daily	Leave Daily EX. SUNDAY	Leave Daily EX. SUNDAY	Leave Daily EX. SUNDAY
	(1.00)	(1.05)	(1.00)	(0.35)	(0.30)			Time over District		(0.30)	(0.30)	(0.40)	(0.50)	(1.00)
	13.20	12.18	13.20	25.48	26.42			Average speed per hour		26.42	26.42	19.80	15.80	13.20

Westward trains are superior to trains of the same class in the opposite direction.

EASTWARD		Time Table No. 185 August 19, 1923.	WESTWARD
Capacity of sidings in car lengths.	Distance from San Francisco	STATIONS	Distance from Union
	42.2	BUCHLI	8.6
		1.6	
	43.8	CARNEROS	7.0
		1.5	
18	45.4	STANLEY	5.4
		3.4	
24 WT	48.8	WEST NAPA	2.0
		1.3	
	50.1	Napa Valley Ry. Crossing	0.7
		0.7	
6	50.8	UNION	0.0
		(8.6)	
		Time over District	
		Average speed per hour	

Cross-over switch at west end of Union siding must be lined up for Union Branch and siding kept clear between these switches.

EASTWARD			Time Table No. 185 August 19, 1923.		WESTWARD
	FIRST CLASS				SECOND CLASS
Capacity of sidings in car lengths.	404 Wingo Passenger	Distance from San Francisco	STATIONS	Distance from Wingo	403 Wingo Passenger
	Leave MONDAYONLY				Arrive MONDAYONLY
	8.48AM	45.7	RAMAL	2.0	s 9.13AM
			2.0		
(Siding on N.W.P.Ry.)	s 9.00AM	47.7	WINGO	0.0	9.01AM
	Arrive MONDAYONLY		(2.0)		Leave MONDAYONLY
	(0.12)		Time over District		(0.12)
	10.00		Average speed per hour		10.00

Trains using siding of N. W. P. Railway at Wingo must observe Rule 99, and be governed by current Time Table N. W. P. Railway.

EASTWARD					Time Table No. 185 August 19, 1923.		WESTWARD	
		FIRST CLASS					SECOND CLASS	
Capacity of sidings in car lengths.		108 Elmira Rumsey Mixed	106 Elmira Winters Mixed	Distance from San Francisco	STATIONS	Distance from Rumsey	105 Winters Elmira Mixed	107 Rumsey Elmira Mixed
		Leave Daily	Leave Daily				Arrive Daily	Arrive Daily
BK WFY	101	9.15AM	6.00AM	59.4	TO-R ELMIRA	51.1	s 8.45AM	s 4.10PM
					4.3			
	13	s 9.30	s 6.25	63.7	Block Signals TO VACAVILLE	46.8	s 8.35	s 4.00
					1.9			
		f 9.35	f	65.6	VIOLET	44.9	f	f 3.33
					2.9			
	24	f 9.41	f	68.5	HARTLEY	42.0	f	f 3.28
					1.8			
		f 9.46	f	70.3	ALLENDALE	40.2	f	f 3.23
					3.7			
	20	f 9.54	f 6.45	74.0	WOLFSKILL	36.5	f 8.15	f 3.15
					2.0			
WT	23	s 10.00	s 6.50AM	76.0	TO-R WINTERS	34.5	8.10AM	s 3.10
					4.3			
	16	f 10.10		80.3	NORTON	30.2		f 2.11
					3.3			
	18	f		83.6	CITRONA	26.9		f 2.03
					3.2			
	20	s 10.30		86.8	MADISON	23.7		s 1.55
					3.1			
W	41	s 10.40		89.9	TO ESPARTO	20.6		s 1.47
					2.0			
	20	s 10.50		91.9	CAPAY	18.6		s 1.37
					4.7			
	20	f		96.6	CADANASSA	13.9		f
					2.3			
		s		98.9	ECKHARD	11.6		s
					1.8			
	20	s 11.20		100.7	TANCRED	9.8		s 1.17
					2.6			
	20	f 11.30		103.3	BERWICK	7.2		f 1.10
					1.0			
	3	f		104.3	AMARANTH	6.2		f
					1.3			
	21	s 11.50AM		105.6	TO GUINDA	4.9		s 1.05
					0.6			
	5	f		106.2	SAUTERNE	4.3		f
					1.7			
	20	f		107.9	CASHMERE	2.6		f
					2.6			
WT	19	s 12.25PM		110.5	R RUMSEY	0.0		12.50PM
		Arrive Daily	Arrive Daily		(51.1)		Leave Daily	Leave Daily
		(3.10)	(0.50)		Time over District		(0.35)	(3.20)
		16.10	19.92		Average speed per hour		28.45	15.30

ADDITIONAL STOPS:—Nos. 105, 106, 107 and 108 at Paddon (m. p. 67½) on signal.

Westward trains are superior to trains of the same class in the opposite direction.

SPECIAL INSTRUCTIONS ☛ "SAFETY FIRST"

THE FOLLOWING APPLICATIONS AND ADDITIONS ARE MADE TO THE BOOK OF RULES:

RULE 2. The following are designated Watch Inspectors:

San Francisco	S. A. Pope, Supervisor of Time Service, 65 Market Street		
Oakland	H. Bullard, 1788 Seventh Street and 408 Fifteenth Street		
Alameda	A. O. Gott	Sacramento	H. T. Harger, 1008 K St.
Berkeley	W. R. Burke	Roseville	H. T. Harger
Richmond	O. A. Poulsen	Martinez	F. L. Roseborough
Benicia	F. J. Strumm	Tracy	R. Von Dack & Son
Vallejo	G. E. Bangle	Livermore	C. Harlie Power
Napa	E. A. Oppliger	San Jose	R. Kocher & Son
Santa Rosa	John Hood Co.	San Jose	Cheney & Pruett
Winters	C. E. Wyatt		

RULE 10 (G). Where there are two or more main tracks, an unattended red signal will not apply to the track on which a train is running if displayed beyond the first rail of an adjoining track.

RULE 72. When a section of double track is being used as single track under Form *D*-S, westward trains are superior to trains of the same class in the opposite direction.

RULE D-72 AND 73. Trains between Oakland Pier and Elmhurst will move irrespective of superiority, when moving with the current of traffic. Freight trains must avoid delaying passenger trains. Freight trains or Yard Engines must not leave West Oakland unless they have five minutes or more to clear a first class train moving in the same direction.

RULE 83 (A)

At the following stations, only trains originating and terminating will register:

Davis
Martinez
Avon
Bay Point
Schellville
Winters

At College Park, only No.'s 501 and 502 will register.

RULE 83 (B). At open train-order offices trains may register by ticket as follows:

Elmhurst	westward trains and No. 74.
Niles	No. 51

RULE 83 (C)

Extra trains will register at Niles, Newark, Port Costa, Benicia.

RULE 83 (D). Trains must obtain a clearance card before leaving:

Port Costa	(except eastward trains via Benicia)
Benicia	eastward trains
Niles Newark	all trains.
Napa Junction	when such station is an open train-order office.
Schellville . . . . No. 291	when such station is an open train-order office.

RULE 93. Oakland Yard: Between Oakland Pier and yard limit signs east of Elmhurst on Elmhurst-Tracy and Elmhurst-College Park Lines; Stonehurst; San Pablo, including Richmond Transfer and Richmond Belt Railway; and East Bay Electric lines.

Yard limits are defined by yard limit signs at the following stations:

PORT COSTA
DAVIS
NAPA
BENICIA
SOUTH VALLEJO
NILES
SUISUN-FAIRFIELD
NAPA JUNCTION
NEWARK

RULE D 97 (A). On double track trains may run extra, moving with the current of traffic without running orders between Oakland Pier and Sacramento; Oakland Pier and Elmhurst.

RULE 98. THE NORMAL POSITION OF SWITCHES AT THE END OF DOUBLE TRACK AND AT JUNCTIONS WILL BE AS FOLLOWS:

Elmhurst (end of double track)—For Eastward track.

Whistle signals:—One long and one short for College Park line.
One long, one short and one long for Tracy line.

RAILROAD CROSSINGS AT GRADE, NOT INTERLOCKED:

Sacramento Northern Railway, at Suisun-Fairfield trains will approach crossing prepared to stop and be governed by signals from crossing flagman.

Napa Valley Railway, 1900 feet east of Napa Junction on Santa Rosa Line, STOP.

Napa Valley Railway, 3600 feet east of Napa Junction on Calistoga Line, STOP.

N. W. Pac. Railway, 2200 feet west of Schellville, STOP.

N. W. Pac. Railway, 1000 feet west of Yulupa, STOP.

Napa Valley Railway, 3200 feet west of Union, on Buchli-Union Line, STOP.

Napa Valley Railway, 600 feet west of Napa, on Calistoga Line, STOP.

San Francisco & Sacramento Railway, 4000 feet east of Hookston on Avon-Radum Line, STOP.

Western Pacific Railway, between Elmhurst and Stonehurst, STOP.

DRAWBRIDGES INTERLOCKED WITH OR GOVERNED BY SEMAPHORE SIGNALS:

Sacramento	Sacramento River.
Cygnus	Cordelia Slough.
Avon	Pacheco Slough.
Dumbarton	San Francisco Bay.
West of Newark	Newark Slough
Between Albrae and Alviso	Warm Springs Creek. Coyote Creek.
Brazos	Napa River.

DRAWBRIDGES NOT INTERLOCKED:

700 feet east of Napa.—Napa River, STOP.
1000 feet west of Wingo Junction switch.—Steamboat Slough, STOP.

RULE D-152. Within block signal limits, after switches of a cross-over are thrown, wait five minutes before crossing over unless block signals protecting the movement can be seen to be in stop position not less than one-half mile distant, but Rule 99 must be complied with.

RULE 221. That portion of Rule 221 reading "Train-order office hours will be shown in the time-table" is cancelled.

When a train-order signal indicates proceed in both directions by day, and in addition the light indicates proceed by night, the office will be considered a closed train-order office.

RULE 516. Overlaps are located at:

Avon	Westward trains.
Ramal (2000 feet east)	Westward trains.
Martinez	Eastward trains.
Bay Point	Eastward trains.
Dumbarton	Eastward trains.

Overlap posts are painted white at the top and black at the base and are about six feet high.

Before entering block signal limits at Buchli, trains from Buchli-Union line must set junction switch for that line. If no obstruction in the block, signal will indicate "proceed."

Before entering block signal limits at Ramal, trains from the Wingo line must set junction switch for that line. If no obstruction in the block, signal will indicate "proceed."

RULE 873. DESCENDING LONG GRADES: This applies between Midway and Ulmar, Pleasanton and Niles, Cordelia and Napa Junction.

RULE 875. Running air brake test must be made:

One mile east of Benicia—Westward trains.
Oakland, 16th St.—Westward trains for Oakland Pier.
Also Equipment being handled between Oakland Pier and West Oakland.

RULE 876. Standing air brake test must be made at:

Oakland Pier	Equipment for West Oakland
West Oakland	Equipment for Oakland Pier.
Altamont	All trains except passenger trains that do not stop.
Napa Junction	Trains via Cordelia.
Cordelia	Westward trains that stop.
Creston	All trains except passenger trains that do not stop.

AUTOMATIC BLOCK SYSTEM

Between Buchli and Ramal train must wait ten minutes before following flagman.

When stopped by a block signal which governs movement over a draw-bridge train must be preceded by flagman.

INTERLOCKING

Movements governed by short-arm or dwarf signals must be made with caution and position of switches observed, as such signals govern movements for various routes.

On double track within the limits of Oakland yard towermen may arrange to move trains from one tower to another against the current of traffic, after having an understanding by telephone for each movement. Before moving trains against the current of traffic they must know that track to be used is clear of opposing engines and trains.

OAKLAND PIER TOWER

Limits extend eastward to signal bridge 102 on tracks 1, 2, 3 and 4; and to signal bridge 105 on tracks 5, 6, 7, 8, 9 and 10.

When siren whistle on Oakland Pier tower is sounded all engines and trains moving within district controlled by this tower must stop and await proper signal.

The last signal which a train may receive entering any track at Oakland Pier is a double arm home and distant dwarf signal. If home signal is in proceed position and distant signal at caution it indicates train is entering track occupied by cars. Responsibility for collision will rest with train entering.

SIXTEENTH STREET TOWER—Oakland

Limits extend from signal bridge 200 to signal bridge 201.

Yard engines must obtain permission from signalman before doing work on Cedar Street.

Whistle signal for movement to West Oakland yard: ——— o.

Enginemen and trainmen on electric trains may accept hand signal from tower window to move against fixed signals.

SHELLMOUND TOWER

Limits on main tracks extend from signal bridge 205 to signal bridge 206.

Whistle signal for westward trains approaching Shellmound tower on track No. 2, for West Oakland yard: ——— o.

WEST OAKLAND TOWER—First and Cedar Streets, Oakland

Limits on First Street main tracks extend from signal bridge 111 to signal bridge 112.

Cedar Street single track is controlled by West Oakland and 16th Street towers. Trains will use this track against opposing trains on receiving signal.

MAGNOLIA TOWER—First and Chestnut Streets, Oakland

Limits on eastward main track extend from home signal 1600 feet west of Western Pacific crossing to dwarf signal 200 feet east of crossing; on westward main track from home signal 500 feet east of Western Pacific crossing to dwarf signal 480 feet west of crossing.

FIRST AND WEBSTER TOWER—Oakland

Limits on eastward First street main track extend from signal bridge 115 to signal bridge 118; On westward main track from signal bridge 118 to signal bridge 116.

FRUITVALE TOWER—Fruitvale

Limits on main tracks extend from signal bridge 123 to signal bridge 127.

PORT COSTA TOWER—End of double track—Port Costa

Limits extend from home signal 50 feet east of double track junction switch to dwarf signal 400 feet on westward track and to home signal 600 feet on eastward main track.

DAVIS TOWER

Limits on double track extend from home signal 1200 feet west of tower to signal bridge, 1700 feet east of tower; on Davis-Tehama line to signal bridge 1200 feet north of tower.

Whistle signal to and from Sacramento, for the Davis-Tehama line, ———— o.

MIKON TOWER—Crossing Sacramento-Northern Railway

Limits extend from home signal 500 feet west of crossing to home signal 500 feet east of crossing.

RADUM TOWER—Junction of Niles-Tracy line and Radum-Avon line

Limits on main track extend from home signal at west Wye switch to home signal at east Wye switch and on Radum-Avon line to home signal at Wye switch.

No signalman at Radum Tower.

Normal position of the interlocking signals for the Niles-Tracy line and Western Pacific main track will be in proceed position in both directions.

If necessary to make a train movement from Niles-Tracy line to Radum-Avon line, or vice versa, it will be necessary to call the signal maintainer who resides on opposite side of track from the tower. He will operate signals and switches for such movements.

If a train on the Niles-Tracy line should find the interlocking signals in the "stop" position, it will flag through the plant.

NILES TOWER—Crossing of Western Pacific Ry.

Limits extend from home signal 1000 feet west of Western Pacific crossing to home signal at Wye switches on Niles-San Jose and Dumbarton lines respectively.

Whistle signals:

For San Jose, ——— o.
For Centerville ——— o ———.
For Niles o ——— o.

SPECIAL INSTRUCTIONS.

MISCELLANEOUS.

SIDINGS

1. BAY POINT.—Eastward siding is the first track on bay side of the main track. Westward siding is the first track on the station side.

2. NEWARK.—The siding of the College Park line is east of the station building. The siding of the Dumbarton line is west of the crossing of the College Park line.

3. SANTA CLARA.—The siding is the short track opposite the station building.

4. Western Division trains holding orders to display signals to College Park will continue to do so on Coast Division, College Park to San Jose, and will display signals from San Jose when holding orders to display signals on Western Division from College Park.

5. Trains standing on freight tracks Nos. 1 and 2 west of signal bridge 201 within limits of Sixteenth Street interlocking plant need not protect. Trains must approach and move within these limits expecting to find tracks occupied by other trains.

7. A yard engine must be protected before crossing Western Pacific on Stonehurst Line and at Third and Fallon Streets, San Francisco & Oakland Terminal, Ward Street on Shattuck Avenue Line and Parker Street on Ninth Street Line.

8. Trains on Track No. 1 between San Pablo and 16th Street Station, when calling in flagman from the east, will give six long sounds of the whistle.

9. Trains on Track No. 2, between 16th Street Station and Shellmound Tower, and on Track No. 4, between Shellmound Tower and Richmond, when calling in flagman from the west will give four long and one short sounds of the whistle.

10. Two yardmen must be with engine when handling two cars or more at Oakland Pier. In no instance must both yardmen ride on the same platform.

12. But one train should occupy Broadway Station or tracks between Washington and Franklin Streets at the same time. If necessary for two trains to occupy this territory, but one train at a time should be moving. Passenger trains must be given preference.

15. Trains using the working track between Port Costa and Vallejo Junction, when calling in flagman from the east will give six long sounds of the whistle.

16. At Newark, Santa Clara and College Park, trains on the Elmhurst-College Park Line when calling in flagman from the west, will give four long and one short sounds of the whistle; when calling in flagman from the east, will give six long sounds of the whistle.

17. At Napa Junction, trains on the Santa Rosa Line, when calling in flagman from the east, will give six long sounds of the whistle.

18. At Davis, trains via Davis-Tehama Line, when calling in flagman from the east will give six long sounds of the whistle.

28. Trains must not pass the switchtender's cabin at Fourth and Sixth Streets and east end of Sacramento River bridge without receiving signal to proceed.

30. Engines or trains using the wye at Napa Junction must approach from the Suisun-Fairfield Line and go around via the Calistoga Line.

32. The working track between Port Costa and Vallejo Junction may be used by westward freight trains not exceeding 15 miles per hour, displaying markers as per Rule D-19, same as though running against current of traffic.

40. Headlights of engines standing at the end of wharf at Oakland Pier must be concealed when steamers are entering slip. Headlights of eastward trains must be concealed while standing at Oakland Pier and must be dimmed until tower has been passed.

41. Between the hours of 9 P. M. and 6 A. M. engine bells must not be rung except in emergency while passing through or switching in city limits of Napa.

It is unlawful to switch a car or engine on or across any public highway in the city of Napa unless a flagman is stationed at the crossing, and he must remain there until switching is completed.

45. Whistle signal 14 (*l*) must be sounded and bell kept ringing when entering or leaving the Sugar Co.'s yard at Alvarado or approaching their road crossing.

TRAINS USING BENICIA FERRY WILL BE GOVERNED BY FOLLOWING REGULATIONS:

50. When loading or unloading steamer at Port Costa or Benicia, engines with or without cars will reduce speed to 6 miles per hour, this rate of speed to apply as soon as cars or engine commence moving on apron, and when unloading not to be exceeded until cars or engine are clear of apron.

52. Engines standing at end of apron awaiting transfer on steamer must have headlights concealed whenever reflection is directly over apron into slip.

55. While engines are standing on steamer, driving wheels must be blocked, and injector must not be opened. Engines must not be placed over the hatches to engine room.

PASSENGER TRAINS

Head brakeman must ride rear end of first cut onto steamer and set brakes.
Rear brakeman must ride head end of second cut onto steamer and set brakes.
Yardmen must ride head ends of third and fourth cuts, and set brakes.

60. When each cut has stopped on steamer, trainmen must open vestibule doors and traps and keep them in that position until steamer has landed. Passengers must be cautioned against leaning out of windows or vestibule doors and must be kept off platform while trains are moving on or off steamer. Vestibule tail gates must be kept in proper position.

Before trains are moved on or off steamer air test must be made as follows:

When yard engine couples to second, third or fourth cuts of a train to push on steamer, tail hose must be attached to leading car and a reduction of air must be made through tail hose—enginemen to observe reduction of air before releasing brakes. Rear end test not necessary for head portion of train handled on and off steamer by road engine. In moving off the steamer rear end test must be made on portions of train pulled off by yard engine. Not necessary to make rear end test on portions of train pushed off by yard engine.

65. Trains to and from ferry steamer will make station stops at Port Costa for exchange of passengers, baggage, mail and express.

FREIGHT TRAINS

70. Before pushing a cut of cars onto steamer each car must be connected with the engine by air. Yardmen must assure themselves that air brakes are working through entire cut of cars before pushing cut onto steamer by making air test as provided in Rule 17, Air Brake Rules.

72. Yard engine when pushing cut of cars onto steamer must stop the forward end of cut two car lengths from the further end of steamer, when yardman must apply pilot hose. They will then push as far as necessary, yardman to walk with cut of cars so he can apply the air should an emergency arise. A pilot hose will be placed on each end of the steamer for this purpose.

74. Brakemen must assist deck hands in setting hand brakes when loading steamer and will see that hand brakes are released when unloading. Yardmen are not required to set hand brakes, except in emergency.

MAIN TRACKS

80. Main tracks between Oakland Pier and Bay Street (Oakland) numbering from the north, are designated as 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10, and used as follows:

No. 1—Westward Trains, via Oakland (Sixteenth Street).
2—Eastward Trains, via Oakland (Sixteenth Street).
3—Westward Electric Trains, via Oakland (Sixteenth Street).
4—Eastward Electric Trains, via Oakland (Sixteenth Street).
5—Westward Electric Trains, via Seventh Street.
6—Eastward Electric Trains, via Seventh Street.
7—Westward Trains, via Oakland (First Street).
8—Eastward Trains, via Oakland (First Street).
9—Westward running track from passenger yard (First Street).
10—Eastward running track to passenger yard (First Street).

Main tracks between Oakland 16th Street and Shellmound Tower, numbering from the Bay, are designated as 1, 2, 3, 4, 5, and 6, and used as follows:

No. 1—Westward Freight Trains.
2—Eastward Freight Trains.
3—Westward Passenger Trains.
4—Eastward Passenger Trains.
5—Westward Electric Trains.
6—Eastward Electric Trains.

Main tracks between Shellmound Tower and Richmond numbering from the Bay, are designated as 1, 2, 3, and 4, and used as follows:

Track No. 1 is the first track from the Bay, and extends from Oakland 16th Street to the east end of San Pablo yard and may be used by westward freight trains not exceeding 15 miles per hour.

Track No. 2 is the second track from the Bay, and extends from Shellmound Tower to Port Costa and will be used by westward trains.

Track No. 3 is the third track from the Bay, and extends from Shellmound Tower to Port Costa and will be used by eastward trains.

Track No. 4 is the fourth track from the Bay, and extends from Shellmound Tower to Richmond, and may be used by eastward freight trains not exceeding 20 miles per hour.

Trains using track No. 1 between San Pablo and Shellmound or track No. 4 between Shellmound and Richmond display markers as per Rule D-19 the same as though running against the current of traffic.

Tracks between East Oakland and Sather will be designated as 1, 2, 3, and 4 and used as follows:

No. 1—Westward Electric Trains.
2—Eastward Electric Trains.
3—Westward Steam Trains.
4—Eastward Steam Trains.

SPEED RESTRICTIONS.

SPEED OF PASSENGER TRAINS MUST NOT EXCEED 50 MILES PER HOUR.
SPEED OF FREIGHT AND MIXED TRAINS MUST NOT EXCEED 35 MILES PER HOUR.

Trains will not exceed the speed in miles per hour shown below:

Page	BETWEEN	Passenger	Freight	Running Backward
.....	Through interlocking limits, with caution	.....	.....	.....
.....	Through Cross-overs and turnouts	10	10	10
2, 3, 4, 5	Oakland Pier and Krieger, except;	50	35	20
2, 3, 4, 5	Oakland, within city limits, over, along or upon any of the public streets or highways	22	22	20
2, 3, 4, 5	Berkeley, University Ave	10	10	10
2, 3, 4, 5	Krieger and Port Costa	40	25	20
2, 3, 4, 5	No. 9 passing Richmond	12	.....	.....
2, 3, 4, 5	When shoving or backing passenger equipment	15	.....	15
6, 7	Benicia and M. P. 35	45	25	20
6, 7	M. P. 35 and Sacramento, except;	50	35	20
6, 7	On curve ½ mile east of M. P. 35	40	35	20
6, 7	On westward track ¼ mile west of M. P. 35 to M. P. 34	35	25	20
6, 7	Cygnus drawbridge	35	25	10
6, 7	Suisun-Fairfield and Davis Yards	30	20	10
6, 7	Washington, within city limits	8	8	8
6, 7	Sacramento drawbridge	6	6	6
6, 7	Sacramento, within city limits	15	15	10
8, 9	Port Costa and Martinez	45	25	20
8, 9	Martinez, within city limits	20	20	20
8, 9	Martinez and Tracy, except;	50	35	20
8, 9	Avon drawbridge	35	25	10
8, 9	Pittsburg, within city limits	25	25	20
10, 11	Oakland Pier and Niles, except;	50	35	20
10, 11	Oakland, within city limits, over, along or upon any of the public streets or highways	22	22	20
10, 11	Oakland, 23rd Avenue	8	8	8
10, 11	Oakland, 29th Ave	20	20	20
10, 11	Halvern to Alvarado	10	10	10
10, 11	Niles and Sunol	40	25	20
10, 11	Between curve warning signs at,			
10, 11	Mayborg curve M. P. 33	30	25	10
10, 11	Fusiers' curve, Mile Post 34	30	25	15
10, 11	Sunol and Mile Post 52, except	50	30	20
	Between city limit signs, Pleasanton	15	15	15
10, 11	“ “ “ “ Livermore	10	10	10
10, 11	Mile Post 52 and Midway, except;	40	25	20
10, 11	Grecian Bend curve, ¼ mi. E. of Mile Post 52	30	25	15
10, 11	Midway and Tracy	50	35	20
12	Niles and Redwood City, except;	50	35	20
12	Ravenswood Spur	6	6	6
12	Dumbarton Salt Spur	8	8	8
12	Dumbarton and Newark Slough drawbridges	15	15	10
12	Niles and San Jose	50	35	20
12	San Jose Yard	12	12	12
13	Elmhurst and College Park, except;	50	35	20
13	Newark Yard	10	10	10
13	Alviso, within city limits	15	15	15
13	Distillery Spur, Agnews		6	6
13	Warm Springs and Coyote drawbridges	15	15	10
14, 15	South Vallejo and Napa Jct	50	30	20
14, 15	Napa Junction and Napa	40	25	20
14, 15	Napa, within city limits	8	8	8
14, 15	Napa and Calistoga, except;	40	25	20
14, 15	St. Helena, within city limits	12	12	12
16	Napa Junction and Santa Rosa, except;	40	25	20
16	Santa Rosa city limits	5	5	5
16	Eldridge and Warfield 10° curves	25	15	15
16	Annadel and Santa Rosa 10° curves	25	15	15
16	Napa River drawbridge	15	15	10
17	Avon and San Ramon	30	18	15
17	San Ramon and Radum	40	25	20
17	Napa Junction and Cordelia	40	25	20
17	Cordelia and Suisun-Fairfield	50	25	20
18	Elmira and Violet	40	35	20
18	Violet and Rumsey, except	30	25	20
18	Capay, within city limits	10	10	10
18	Buchli and Union	40	25	20
18	Ramal and Wingo	10	10	10

Approach crossing of Seventh Street, near Roundhouse, Oakland, carefully to make sure gates are down and vehicle traffic stopped.

	Light Engines	
(Except as above.)	Running Forward	Running Backward
Engine 3600	45	20
Pacific Type	40	20
Mikado	40	20
Eight Wheelers	45	20
Ten Wheelers	45	20
Mogul	30	20
Atlantic Type	40	20
Consolidation	25	20
Yard Engines	15	15

SPECIAL INSTRUCTIONS

SPEED TABLE.

Miles per Hour	1 Mile in Min.	1 Mile in Sec.	Miles per Hour	1 Mile in Min.	1 Mile in Sec.
6	10	....	31	1	56
8	7	30	32	1	52
10	6	....	33	1	49
12	5	....	34	1	45
15	4	....	35	1	42
16	3	45	36	1	40
17	3	31	37	1	37
18	3	20	38	1	34
19	3	9	39	1	33
20	3	....	40	1	30
21	2	51	41	1	27
22	2	43	42	1	25
23	2	36	43	1	23
24	2	30	44	1	21
25	2	24	45	1	20
26	2	18	46	1	18
27	2	13	47	1	16
28	2	8	48	1	15
29	2	4	49	1	13
30	2	....	50	1	12

MAXIMUM SPEED FOR WHICH ENGINES ARE COUNTERBALANCED.

Engines with the following exceptions, are counterbalanced for a speed in miles per hour equal to the number of inches in diameter of driving wheels:

Class of Engine	Engine Numbers	Maximum Speed in Miles per Hour	Maximum Wheel Pressure
T-6	2187, 2190, 2194, 2200, 2203, 2204, 2205	50	22740 lbs.
T-6	2197, 2208	45	24110 "
T-28	2311 to 2314, 2316, 2317, 2320, 2323, 2325, 2327, 2328, 2330, 2342, 2343, 2352	54	46220 "
TW-2	2946, 2948 to 2953	43	25860 "
TW-4	2926 to 2931	44	26000 "

Note.—Maximum speed in miles per hour is based on vertical disturbing force of counterbalance not exceeding 75% of static wheel load, and maximum wheel pressures shown obtain at speeds indicated.

Speed of 2-10-2 type engines when used in passenger service must not exceed forty miles per hour. Consolidation freight engines, also Mikado engines, must not exceed speed of forty-five miles per hour, when used in passenger service.

The above table is for the information of enginemen and must not be construed to authorize exceeding speed restrictions.

STRUCTURES LESS THAN STANDARD CLEARANCE.

Mile Post	EAST OF	DESCRIPTION
		OAKLAND PIER—TRACY VIA PORT COSTA
	Oakland Pier	Posts supporting shed........Side
		Freight Slip........Side
5.5	Oakland, 16th St.	Structures of Pacific Coast Canning Co........Side
6.6	Emeryville	Structures on track No. 6 between signal bridges 204 and 205...Side
6.6	Emeryville	Structures on Judson siding........Side
6.6	Emeryville	Umbrella Sheds........Side
6.6	Emeryville	Machine shops Judson Iron Works........Overhead and Side
7.0	Shell Mound	Water tank on spur........Overhead and Side
7.5	Stock Yards	Corral platform........Side
7.5	Stock Yards	Fertilizer spur........Side
13.1	Stege	Hotel back of station building........Side
13.1	Stege	Buildings end of track No. 2........Side
14.5	Richmond	A. T. & S. F. Crossing........Overhead and Side
14.5	Richmond	Stone spur Bunkers........Overhead and Side
15.0	Richmond Transfer	Warehouse—Western Pipe & Steel Co........Overhead and Side
16.5	San Pablo	A. T. & S. F. Crossing........Overhead and Side
16.6	San Pablo	Eastward & Westward Water Columns........Side
19.3	Giant	Wagon bridge........Overhead and Side
26.5	Oleum	Tramway........Overhead
26.5	Oleum	Loading racks, Union Oil Co........Side
26.7	Oleum	Tunnel No. 1........Overhead and Side
27.7	Tormey	Tunnel No. 2........Overhead and Side
29.0	Crockett	Sugar Co. warehouse........Side
29.0	Crockett	Cal. Haw. S. R. Co........Overhead
30.1	Eckley	Platforms of brick company........Side
30.5	Port Costa	Buildings; Bankers, California and Grangers Warehouse........Side
31.1	Port Costa	Wagon Bridge........Overhead
31.8	Nevada Dock	Platforms of brick company........Side
31.8	Nevada Dock	Long and short cable, empty and house track No. 1........Side
34.7	Martinez	Warehouse, Anderson Co.—cars to be left outside. Overhead and Side
36.8	Peyton	Loading rack track, G. C. Co........Side
43.2	Nichols	Wagon Bridge........Overhead
43.2	Nichols	A. T. & S. F. Ry. crossing........Overhead and Side
43.2	Nichols	General Chemical Co., ore house on spur........Side
		PORT COSTA—SACRAMENTO
31.2	Port Costa	Wagon Bridge........Overhead
	Stmr. Contra Costa	........Overhead and Side
32.4	Stmr. Solano	........Overhead and Side
32.4	Benicia	Apron sheds and tracks........Side
48.9	Benicia	Carquinez Packing Co., buildings........Side
59.4	Suisun-Fairfield	Pacific Fruit Product Co., spur........Side
	Elmira	Warehouse........Side
		OAKLAND PIER—TRACY VIA NILES
	Oakland Pier	Posts supporting shed........Side
4.9	West Oakland	Buildings and platforms at Creosote Works........Overhead and Side
4.9	West Oakland	Freight platforms and tracks, Kirkham St. freight yards........Side
4.9	West Oakland	Water tank on Wye........Overhead and Side
7.0	Oakland, 1st St.	Warehouse track, Howard Co........Side
7.2	Oakland, 1st St.	Buildings Sunset Lumber Co........Overhead and Side
9.0	23rd Avenue	Pacific Wire and Steel Co. spur........Side
9.0	23rd Avenue	California Cotton Mills........Overhead and Side
9.0	23rd Avenue	California Pottery Co., spur and buildings........Side
9.7	Fruitvale	Steel bridge over estuary........Wires Overhead and Side
10.3	Sather	Chlorox Chemical Company spur........Overhead and Side
20.1	Hayward	Hunt Bros., Canneries........Side
29.2	Niles	New Bunkers, Calif. Bldg. Mat'l Co........Overhead and Side
29.2	Niles	New Bunkers of Niles Sand and Gravel Co........Side
40.9	Pleasanton	Platform on beet tracks Nos. 1 and 2........Side
42.4	Remillard	Platform and Shed, Remillard Brick Co........Side
46.9	Livermore	Livermore Brick Co., shed and loading platform over high line track........Overhead and Side
		ELMHURST—COLLEGE PARK
30.6	Newark	Water tank spout........Side
30.6	Newark	Scaffold over foundry spur........Overhead
41.7	Agnew	Track leading into distillery........Side
		AVON—RADUM
44.6	Nacio	Bridge........Overhead and Side
45.8	Las Juntas	Trolley wire, Interchange track........Overhead
47.5	Oxley	Bridge........Overhead and Side
49.2	Walnut Creek	Bridge........Overhead and Side
57.0	Osage	Bridge........Overhead and Sides
66.4	Asco	Beet loading chute........Sides
		SUISUN-FAIRFIELD AND SOUTH VALLEJO—SANTA ROSA—CALISTOGA
37.3	Napa Jct.	Sheds over platforms on the two northerly spurs of Portland Cement Co........Overhead and Side
46.2	Thomasson	E. B. & A. L. Stone Co., rock crushing plant center track (spur)........Overhead and Side
62.1	Thoman	Fence, Sutter Home Winery........Side
74.0	Santa Rosa	Cars standing on west end of back track at Santa Rosa will not clear man on side of car being switched on west end of siding.
		ELMIRA—RUMSEY
76.0	Winters	Fruit shed........Overhead and Side

Employes are warned that it is dangerous to ride on top or sides of cars at above mentioned points.

Employes must guard against coming in contact with overhead wires or their connections.

COMPANY SURGEONS—WESTERN DIVISION

LOCATION	TITLE	NAME
San Francisco	Dr. F. K. Ainsworth	Chief Surgeon.
San Francisco	Dr. W. B. Coffey	Assistant Chief Surgeon.
San Francisco	Dr. J. H. O'Connor	Division Surgeon.
San Francisco	Dr. S. J. Gardner	District Surgeon.
San Francisco	Dr. C. A. Walker	District Surgeon.
San Francisco	Dr. G. R. Carson	District Surgeon.
San Francisco	Dr. G. H. Willcutt	Aurist.
San Francisco	Dr. W. F. Blake	Oculist.
Oakland	Dr. O. D. Hamlin	Division Surgeon.
Oakland	Dr. F. H. Tebbe	Assistant Surgeon.
Oakland	Dr. E. F. Card	Oculist and Aurist.
West Oakland	Dr. J. I. Vickerson	District Surgeon.
Oakland (Central)	D. E. H. Barbera	District Surgeon.
Oakland (North)	Dr. L. E. Kindall	District Surgeon.
Berkeley	Dr. A. M. McIntosh	District Surgeon.
Berkeley	Dr. J. R. Masterson	District Surgeon.
Richmond	Dr. W. Lucas	District Surgeon.
Richmond	Dr. H. L. Carpenter	Assistant Surgeon.
Crockett	Dr. J. M. McCullough	District Surgeon.
South Vallejo	Dr. B. J. Klotz	District Surgeon.
Napa	Dr. E. Z. Hennessey	District Surgeon.
Napa	Dr. O. T. Schulze	Assistant Surgeon.
St. Helena	Dr. D. E. Osborne	Emergency Surgeon.
Calistoga	Dr. W. L. Blodgett	District Surgeon.
Glen Ellen	Dr. L. H. Francis	Emergency Surgeon.
Sonoma	Dr. A. M. Thomson	Emergency Surgeon.
Santa Rosa	Dr. J. W. Jesse	District Surgeon.
Port Costa	Dr. P. B. Fry	District Surgeon.
Martinez	Dr. Edwin Merrithew	District Surgeon.
Concord	Dr. Geo. McKenzie	Emergency Surgeon.
Walnut Creek	Dr. C. R. Leach	Emergency Surgeon.
Danville	Dr. E. C. Love	Emergency Surgeon.
Pittsburg	Dr. H. E. Peters	Emergency Surgeon.
Antioch	Dr. W. S. George	District Surgeon.
Brentwood	Dr. F. S. Cook	District Surgeon.
Byron	Dr. J. W. Hammond	District Surgeon.
Benicia	Dr. P. B. Fry	District Surgeon.
Suisun	Dr. S. J. Bransford	District Surgeon.
Vacaville	Dr. M. P. Stansbury	District Surgeon.
Winters	Dr. H. R. King	District Surgeon.
Esparto	Dr. F. P. McManus	Emergency Surgeon.
Dixon	Dr. F. Stolle	District Surgeon.
Davis	Dr. W. E. Bates	District Surgeon.
Davis	Dr. T. E. Cooper	Assistant Surgeon.
Sacramento	Dr. A. M. Henderson	Division Surgeon.
Sacramento	Dr. G. L. Stevenson	District Surgeon.
Sacramento	Dr. W. E. Briggs	Oculist and Aurist.
Alameda	Dr. M. W. Brown	District Surgeon.
Alameda	Dr. W. O. Smith	Assistant Surgeon.
East Oakland	Dr. Guy Wallace	District Surgeon.
East Oakland	Dr. W. H. C. Hatteroth	District Surgeon.
Fruitvale	Dr. J. W. Scamell	District Surgeon.
Elmhurst	Dr. Lee E. Smith	District Surgeon.
San Leandro	Dr. C. H. Miller	District Surgeon.
Hayward	Dr. F. W. Browning	District Surgeon.
Niles	Dr. C. L. McKown	District Surgeon.
Pleasanton	Dr. J. Hal Cope	District Surgeon.
Livermore	Dr. Paul Dolan	District Surgeon.
Irvington	Dr. H. E. Grimmer	Emergency Surgeon.
Milpitas	Dr. H. J. Smith	Emergency Surgeon.
Santa Clara	Dr. J. I. Beattie	District Surgeon.
San Jose	Dr. D. A. Beattie	District Surgeon.
San Jose	Dr. E. F. Holbrook	District Surgeon.
Centerville	Dr. H. W. Emerson	District Surgeon.
Tracy	Dr. Allan R. Powers	District Surgeon.

NOTE.—Emergency Surgeons should only be summoned for temporary treatment when prompt attention is required and when patients cannot be sent to or await arrival of Division or District Surgeon.

LOCATION OF STRETCHERS.

WEST OAKLAND
EAST OAKLAND.
FRUITVALE.
ALAMEDA.
BERKELEY.
RICHMOND.
NILES.
PLEASANTON.
LIVERMORE.
SANTA CLARA.
SAN JOSE
PORT COSTA.
MARTINEZ.
ANTIOCH.
CONCORD.
TRACY.
SANTA ROSA.
CALISTOGA.
NAPA.
SOUTH VALLEJO.
BENICIA.
SUISUN-FAIRFIELD.
VACAVILLE.
WINTERS.
DIXON.
DAVIS.

HOSPITALS.

GENERAL HOSPITAL........SAN FRANCISCO
SOUTHERN PACIFIC HOSPITAL........SACRAMENTO
S. P. EMERGENCY HOSPITAL........WEST OAKLAND

RATINGS OF LOCOMOTIVES—WESTERN DIVISION.

In M's of 1,000 pounds back of Tender.

Revised April 23, 1920

Nominal Class	OFFICIAL CLASS	ENGINE NUMBERS	Boiler Pressure	Sacramento and Benicia	Oakland and San Jose via Niles Niles to Redwood	Tracy to Niles	Niles to Tracy	Suisun-Fairfield to Napa Jct.	Napa Jct. to Suisun-Fairfield Napa Jct. to Calistoga	Napa Jct. to Santa Rosa Calistoga to Napa Jct.	Oakland and Tracy via Antioch and Oakland and Santa Clara Through
E-9	E-63 17/24 54	1306, 1309	140	1710	1520	590	630	440	630	770	1960
E-10	E-63 17/24 47	1320, 1323, 1331, 1337, 1345, 1349	140	1740	1550	620	660	470	650	790	1990
E-20	E-63 17/24 57	1366	150	1860	1660	660	700	500	700	850	2130
E-2	E-69 18/24 61	1374, 1376 to 1381	150	1920	1710	670	710	490	690	870	2200
E-6	E-69 18/24 68	1402 to 1411	165	2140	1900	750	800	550	780	970	2450
E-3	E-69 18/24 60	1412, 1413	150	1940	1720	680	720	500	700	880	2220
E-23	E-73 20/24 92	1433 to 1458	190	2890	2570	1010	1080	750	1050	1310	3310
E-24	E-69 18/26 73	1459 to 1463	165	2270	2020	800	850	610	850	1030	2600
E-25	E-63 18/26 71	1468	150	2210	1970	780	820	600	840	1000	2530
E-25	E-63 18/26 72	1473, 1474, 1479, 1480	160	2380	2120	840	890	660	910	1080	2720
E-25	E-69 18/26 72	1477, 1478	160	2190	1950	770	820	580	810	990	2510
M-4	M-63 20/28 126	1615 to 1719	190	3770	3370	1380	1460	1100	1500	1760	4300
M-8	M-63 21/28 159-S	1720 to 1724, 1770 to 1779 (Superheated)	200	4600	4110	1680	1780	1340	1830	2140	5250
M-8	M-63 21/28 156	1720 to 1724, 1770 to 1779 (Saturated)	200	4380	3910	1600	1690	1270	1730	2030	5000
M-6	M-63 21/28 150-S	1725 to 1769, 1780 to 1803, 1823 to 1825 (Superheated)	200	4610	4120	1690	1790	1350	1770	2150	5260
M-6	M-63 21/28 144	1725 to 1769, 1780 to 1803 (Saturated)	195	4270	3810	1560	1650	1240	1690	1980	4880
M-9	M-63 21/28 150-S	1804 to 1822 (Superheated)	210	4850	4330	1780	1890	1430	1820	2270	5545
M-9	M-63 21/28 147	1804 to 1822 (Saturated)	200	4380	3910	1600	1690	1270	1730	2030	5000
T-15	T-63 18/24 77	2026	160	2230	1990	790	840	600	830	1010	2560
T-14	T-57 18/24 73	2098, 2099	150	2300	2050	840	890	660	890	1070	2630
T-16	T-57 18/24 80	2108	165	2540	2260	920	960	720	990	1170	2900
T-11	T-57 18/24 81	2124 to 2126, 2128, 2130 to 2133	160	2440	2170	870	930	680	940	1120	2790
T-11	T-63 18/24 86	2127, 2129	160	2230	1990	790	840	600	830	1010	2560
T-10	T-57 18/24 86	2134 to 2152	160	2430	2160	860	910	670	930	1110	2780
T-9	T-57 18/24 96	2155, 2175, 2180	170	2590	2310	920	980	710	990	1180	2970
T-9	T-57 18/24 83	2156 to 2169, 2171, 2173	160	2430	2160	860	910	670	930	1110	2780
T-3	T-69 20/26 113	2212 to 2220	180	3070	2740	1080	1150	820	1150	1400	3520
T-2	T-63 19/24 105	2221 to 2234	160	2480	2210	870	920	650	920	1120	2840
T-1	T-63 20/26 112	2235 to 2273	180	3360	3000	1220	1290	960	1310	1560	3840
T-25	T-69 20/28 134	2274 to 2281	200	3690	3290	1310	1390	1010	1400	1680	4220
T-26	T-69 21/28 152-S	2283 to 2300 (Superheated)	200	4240	3780	1530	1620	1180	1630	1960	4840
T-26	T-69 21/28 149	2283 to 2300 (Saturated)	200	4100	3660	1480	1570	1150	1570	1890	4690
T-23	T-63 21/28 144-S	2301 to 2308, 2310 (Superheated)	210	4850	4330	1780	1880	1420	1930	2260	5530
T-23	T-63 21/28 144	2301 to 2308, 2310 (Saturated)	200	4380	3920	1600	1690	1270	1740	2030	5010
T-28	T-63 22/28 162-S	2311 to 2352 (Superheated)	210	5300	4740	1950	2060	1560	2120	2480	6050
T-28	T-63 22/28 160	2311 to 2352 (Saturated)	200	4800	4290	1750	1850	1390	1900	2230	5480
T-32	T-69 23/28 174-S	2371 to 2378	210	5410	4830	1990	2100	1550	2110	2520	6170
P-1	P-77 22/28 141-S	2400 to 2427	210	4380	3910	1570	1660	1200	1660	2010	5010
P-5	P-77 22/28 141-S	2438 to 2452	200	4140	3690	1470	1560	1120	1560	1890	4750
P-3	P-77 22/28 150-S	2459, 2460	210	4370	3900	1560	1650	1190	1650	2000	5000
C-9, C-10	C-57 22/30 194-S	2513 to 2599, 2752 to 2857 (Superheated)	210	5860	5240	2160	2280	1760	2380	2740	6680
C-9, C-10	C-57 22/30 187	2513 to 2599, 2752 to 2857 (Saturated)	200	5210	4650	1910	2020	1540	2100	2420	5950
C-5	C-57 22/30 187-S	2624 to 2693 (Superheated)	210	5870	5240	2180	2300	1770	2390	2760	6700
C-5	C-57 22/30 180	2624 to 2693 (Saturated)	200	5220	4660	1920	2030	1550	2110	2430	5960
C-2	C-57 22/34 172	2600 to 2611	185	5040	4500	1820	1930	1490	2030	2320	5750
C-4	C-57 22/34 183-S	2612 to 2623 (Superheated)	190	5500	4910	2000	2120	1640	2220	2510	6270
C-4	C-57 22/34 176	2612 to 2623 (Saturated)	185	5030	4510	1820	1930	1490	2030	2290	5750
TW-2	TW-50 20/26 120	2932 to 2939, 2941 to 2945	170	3710	3320	1360	1440	1100	1500	1730	4240
TW-3	TW-50 20/26 118	2946 to 2953									
A-1	A-84 $\frac{1525}{28}$ 110	3000 to 3009	200	2820	2500	950	1010	690	990	1250	3230
A-3	A-81 20/28 112-S	3025 to 3071 (Superheated)	210	3470	3090	1220	1290	890	1260	1570	3980
A-3	A-81 20/28 105	3025 to 3071 (Saturated)	200	3150	2800	1080	1150	790	1120	1410	3620
MK-5 MK-6	MK-63 26/28 210-S	3237 to 3271	200	7090	6330	2620	2770	2100	2850	3320	8090
Allowance for Empty and Underloaded Cars—Ms.		Less than 40 Ms.		6	6	3	3	3	3	3	6
		40 to 50 Ms.		3	3	0	0	0	0	0	3
		More than 50 Ms.		0	0	0	0	0	0	0	0

WEIGHT OF PASSENGER TRAIN CARS.

KIND OF CAR	AVERAGE WEIGHTS, POUNDS			
	Wood	Steel	C. M. St. P.	Steel Underframe
Baggage	75,000	91,000	125,000	
Baggage (Dynamo)		101,000		
Baggage and Mail 60 ft.		97,000		92,000
Baggage and Mail 69 ft.	75,000	122,000		
Baggage and Passenger	65,000			
Buffet		131,000		122,000
Buffet (Dynamo)		146,000		
Business	108,000	179,000	141,000	136,000
Chair	84,000	98,000		
Coaches	75,000	95,000	133,000	
Dining	131,000	146,000		138,000
Observation	122,000	144,000		128,000
Postal 40 ft.		72,000		
Postal 60 ft.		110,000		
Pullman Observation	124,000	148,000		142,000
Pullman Parlor	115,000	149,000		142,000
Pullman Stand. Sleeper	125,000	152,000		145,000
Pullman Tourist	94,000		141,000	133,000
Tea and Silk	48,000			
Express, Horse	79,000			
Ex. Refr. (G. N. R. R.)	70,000			
" " (N. P. R. R.)	60,000			74,000
" " (A. R.E) 40 to 154				78,000
" " " 155 to 224				89,000
" " " 500 to 506				110.000
" " " 1101 to 1175				85,000

MILEAGE.

MAIN LINES.

Oakland Pier to Tracy via Niles	C. P. Ry	66.90	
Elmhurst to Santa Clara	S. P. C. Ry	31.46	
Niles to San Jose	C. P. Ry	17.26	
Redwood Jct. to Niles Jct	C. P. Ry	16.24	
West Oakland to Sacramento, via Benicia	S. P. R. R	83.44	
Port Costa to Tracy	S. P. R. R	49.53	
Total Main Line			264.84

BRANCHES.

Alvarado	C. P. Ry.	Halvern to Alvarado		2.63	
Napa	S. P. R. R.	Suisun-Fairfield to South Vallejo	20.07		
		Napa Jct. to Calistoga	34.52		
				54.59	
Richmond Spur	S. P. R. R.	San Pablo to Richmond Transfer		2.06	
Rumsey	S. P. R. R.	Elmira to Rumsey		51.22	
San Ramon	S. P. R. R.	Avon to Radum		29.85	
Santa Rosa	S. P. R. R.	Napa Jct. to Santa Rosa		37.24	
Stonehurst	C. P. Ry.	Elmhurst to Stonehurst		.75	
Wingo-Union	S. P. R. R.	Union to Buchli	8.62		
		Ramal to Wingo	2.08		
				10.70	
Total Branches					189.04
Total Western Division					453.88

TRAINMASTERS

G. D. WRIGHT	Suisun-Fairfield
H. R. GERNREICH	Oakland
F. E. YOAKUM	Oakland
H. G. ROWLAND	Port Costa

CHIEF TRAIN DISPATCHERS

D. BLAKE	Oakland Pier
C. C. DAVISON	Oakland Pier
L. L. BROWN	Oakland Pier

ROAD FOREMAN OF ENGINES

W. R. PARKER

EXAMINER

C. W. PERKINS

T. F. ROWLANDS,
Superintendent.

B. A. CAMPBELL,
Assistant Superintendent.

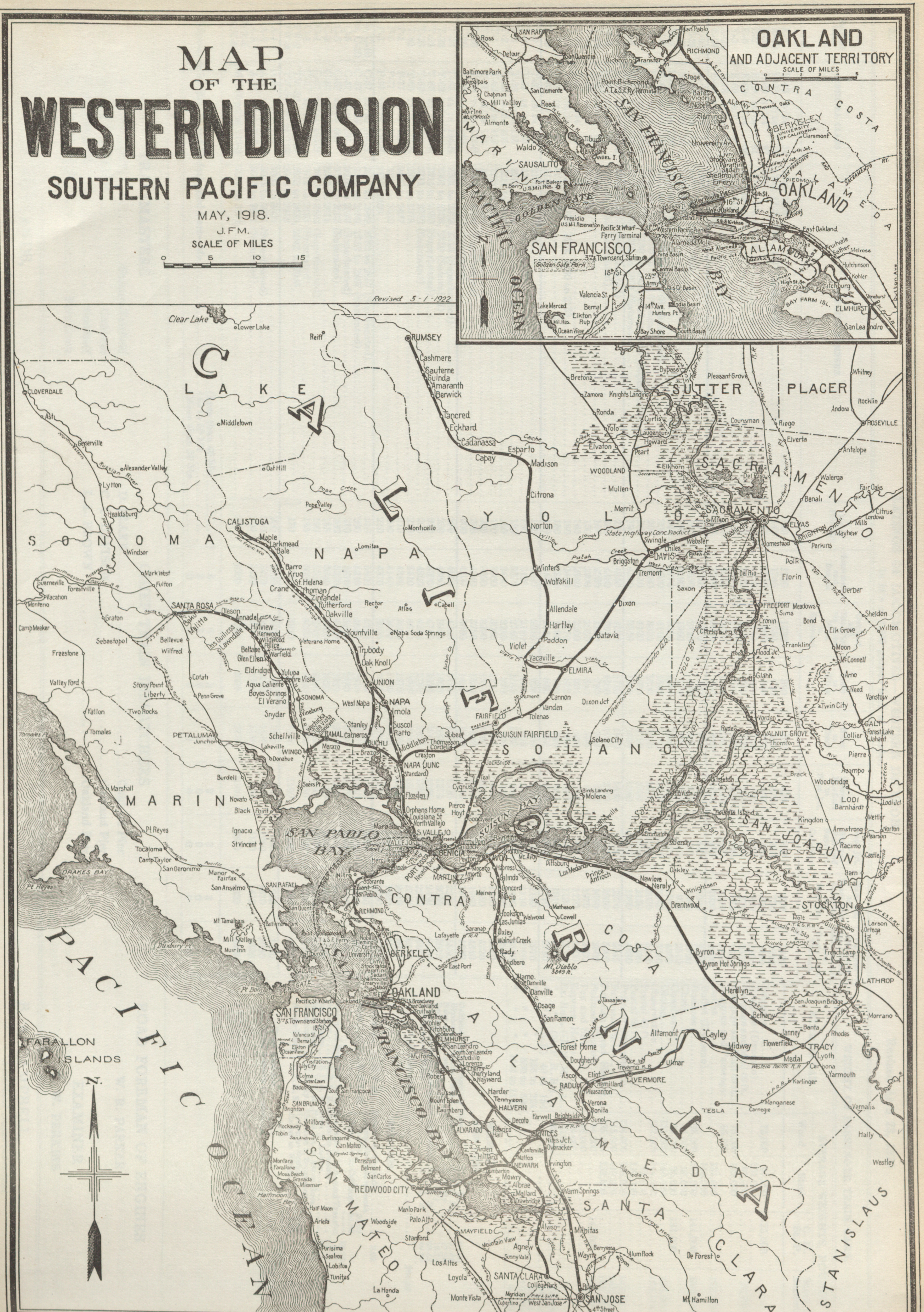
MAP OF THE WESTERN DIVISION

SOUTHERN PACIFIC COMPANY

MAY, 1918.

J.F.M.

SCALE OF MILES


0 5 10 15
Revised 3-1-1922
OAKLAND AND ADJACENT TERRITORY
SCALE OF MILES
CONTRA COSTA
ALAMEDA
MARIN
PACIFIC OCEAN
GOLDEN GATE
SAN FRANCISCO BAY
SAN FRANCISCO
Golden Gate Park
OAKLAND
BERKELEY
UNIVERSITY OF CALIFORNIA
ALAMEDA
RICHMOND
San Pablo
Stege
Point Richmond
San Rafael
Ross
Detour
San Quentin
Baltimore Park
Mill Valley
Sausalito
Tiburon
Belvedere
Angel I.
Fort Baker
Pt. Berry
Presidio
Pacific St. Wharf
Ferry Terminal
Western Pacific Pier
Alameda Mole
Key Route Pier
16th St.
West Oakland
3rd & Townsend Station
China Basin
Central Basin
Valencia St.
Bernal
Lake Merced
Elkton
Ocean View
Bay Shore
South Basin
Hunters Pt.
Fruitvale
Melrose
Hutchinson
Fitchburg
Elmhurst
San Leandro
Bay Farm Isl.
East Oakland
Emeryville
Shellmound
Claremont
Thousand Oaks
Albany
Fleming
Nobel
Vigoris
Bates
Clear Lake
Lower Lake
CALIFORNIA
LAKE
Middletown
Reiff
RUMSEY
Cashmere
Sauterne
Guinda
Amaranth
Berwick
Tancred
Eckhard
Cadanassa
Capay
Esparto
Madison
Citrona
Norton
Winters
Wolfskill
Allendale
Hartley
Paddon
Violet
Vacaville
ELMIRA
YOLO
Yolo
Woodland
Mullen
Merrit
Knights Landing
Bretona
Zamora
Ronda
Elvaton
Curtis
Laugenour
Howard
Pearl
Elkhorn
DAVIS
Swingle
Chiles
Webster
Briggston
Tremont
Saxon
Dixon
Batavia
SUTTER
PLACER
Pleasant Grove
Bypass
Cousman
Riego
Elverta
Whitney
Rocklin
Andora
ROSEVILLE
Antelope
Walerga
Fair Oaks
Benali
Citrus
Mills
Mayhew
Perkins
ELVAS
BRIGHTON
SACRAMENTO
Homestead
Polk
Florin
Gerber
Del Rio
FREEPORT
Sims
Meadows
Bond
Elk Grove
Sheldon
Wilton
Cronin
Franklin
Moon
McConnell
Arno
Need
Vanstow
Twin City
GALT
Forest Lake
Collier
Pierre
Acampo
Woodbridge
LODI
Barnhardt
Mettler
Armstrong
Norton
Pearson
Racimo
Castle
Kingdon
Barn
El Pinal
STOCKTON
Holt
Larson
Ortega
French Camp
LATHROP
Morrano
Banta
TRACY
Rhodes
Lyoth
Carbona
Yarmouth
Vernalis
Hally
Westley
STANISLAUS
Hood Jc.
Glann
Vorden
WALNUT GROVE
Thornton
Ryde
Clarksburg
Isleton
Collinsville
Birds Landing
Molena
SAN JOAQUIN
Bouldin Island
Antioch
Pittsburg
Los Medanos
Prince
Newlove
Oakley
Knightsen
Brentwood
Byron
Byron Hot Springs
Herdlyn
Bethany
Midway
Flowerfield
Medal
Cayley
Altamont
Ulmar
Trevarno
LIVERMORE
Carnegie
Manganese
Tesla
Kerlinger
CLOVERDALE
Asti
Geyserville
Alexander Valley
Lytton
Healdsburg
Windsor
SONOMA
Mark West
Fulton
Guerneville
Forestville
Vacation
Monterio
Camp Meeker
Graton
SANTA ROSA
Sebastopol
Bellevue
Wilfred
Freestone
Valley Ford
Cotati
Stony Point
Liberty
Penn Grove
Two Rocks
Fallon
Tomales
PETALUMA
Marshall
Oat Hill
Pope Valley
Pope Creek
CALISTOGA
Maple
Larkmead
Bale
NAPA
Lomitas
Monticello
Barro
Krug
St. Helena
Crane
Thoman
Zinfandel
Rutherford
Oakville
Rector
Atlas
Cabell
Yountville
Veterans Home
Napa Soda Springs
Trubody
Oak Knoll
UNION
NAPA
West Napa
Imola
Suscol
Ratto
Oleson
Annadel
Hillview
Kenwood
Wildwood
Warfield
Los Guilicos
Lawndale
Glen Ellen
Eldridge
Yulupa
Agua Caliente
Boyes Springs
El Verano
Sonoma
Vista
Snyder
Vineburg
Schellville
RAMAL
Carneros
BUCHLI
Middleton
Thompson
Cordelia
Creston
NAPA JUNC
Lakeville
WINGO
Donahue
Burdell
Novato
Black Point
Ignacio
St. Vincent
Pt. Reyes
Tocaloma
Camp Taylor
San Geronimo
Manor
Fairfax
San Anselmo
SAN RAFAEL
DRAKES BAY
Mt. Tamalpais
Mill Valley
Muir Inn
Duxbury Pt.
Flosden
Cygnus
Pierce
Hoyt
Orphans Home
Louisiana St
North Vallejo
S. VALLEJO
SAN PABLO BAY
BENICIA
PORT COSTA
MARTINEZ
Nitro
Hercules
Rodeo
Tormey
Sobrante
San Pablo
RICHMOND
CONTRA COSTA
SUISUN BAY
FAIRFIELD
SUISUN FAIRFIELD
SOLANO
Tolenas
Cannon
Vanden
Dixon Jct.
Solano City
Jacksnipe
Teal
Goodyear
AVON
Meinert
Galindo
Concord
Bancroft
Pacheco
Clayton
Saranap
Lafayette
Walnut Creek
Las Juntas
Oxley
Hookston
Walwood
Cowell
Matheson
Mt. Diablo 3849 ft.
Rudy
Vidbero
Alamo
Danville
Osage
San Ramon
Tassajara
East Port
BERKELEY
OAKLAND
Forest Home
Dougherty
Asco
Radum
Pleasanton
Verona
Bonita
Sunol
Farwell
Brightside
ALAMEDA
SAN FRANCISCO BAY
SAN FRANCISCO
Pacific St. Wharf
3rd & Townsend Station
FARALLON ISLANDS
PACIFIC OCEAN
N.
ELMHURST
San Leandro
Mulford
Lorenzo
Hayward
Harder
Tennyson
HALVERN
Decoto
Russell
ALVARADO
NILES
Niles Jct.
Centerville
Overacker
Irvington
Arden
Hilliard
Mowry
NEWARK
Albrae
Mallard
Drawbridge
Warm Springs
Alviso
Milpitas
Berryessa
Alum Rock
Wayne
SAN JOSE
West San Jose
4th Street
College Park
Meridian
Cupertino
SANTA CLARA
Agnew
Sunny Vale
Mountain View
MAYFIELD
Los Altos
Loyola
Monte Vista
Mt. Hamilton
De Forest
SANTA CLARA
Stanford
Palo Alto
Menlo Park
Woodside
La Honda
REDWOOD CITY
San Carlos
Belmont
Beresford
San Mateo
Burlingame
Millbrae
SAN BRUNO
SAN MATEO
Baden
Colma
Daly City
Rockaway
Tobin
Brighton
Montara
Farallone
Moss Beach
Granada
Miramar
Halfmoon Bay
Half Moon
Arleta
Purisima
Seafrox
Lobitos
Tunitas
Crystal Springs L.
San Andreas L.
Western Pacific R.R.
Sacramento R.
San Joaquin River
Putah Creek
Cache Creek
Russian River
Yolo By Pass
State Highway Conc. Viaduct